

FIG. 1

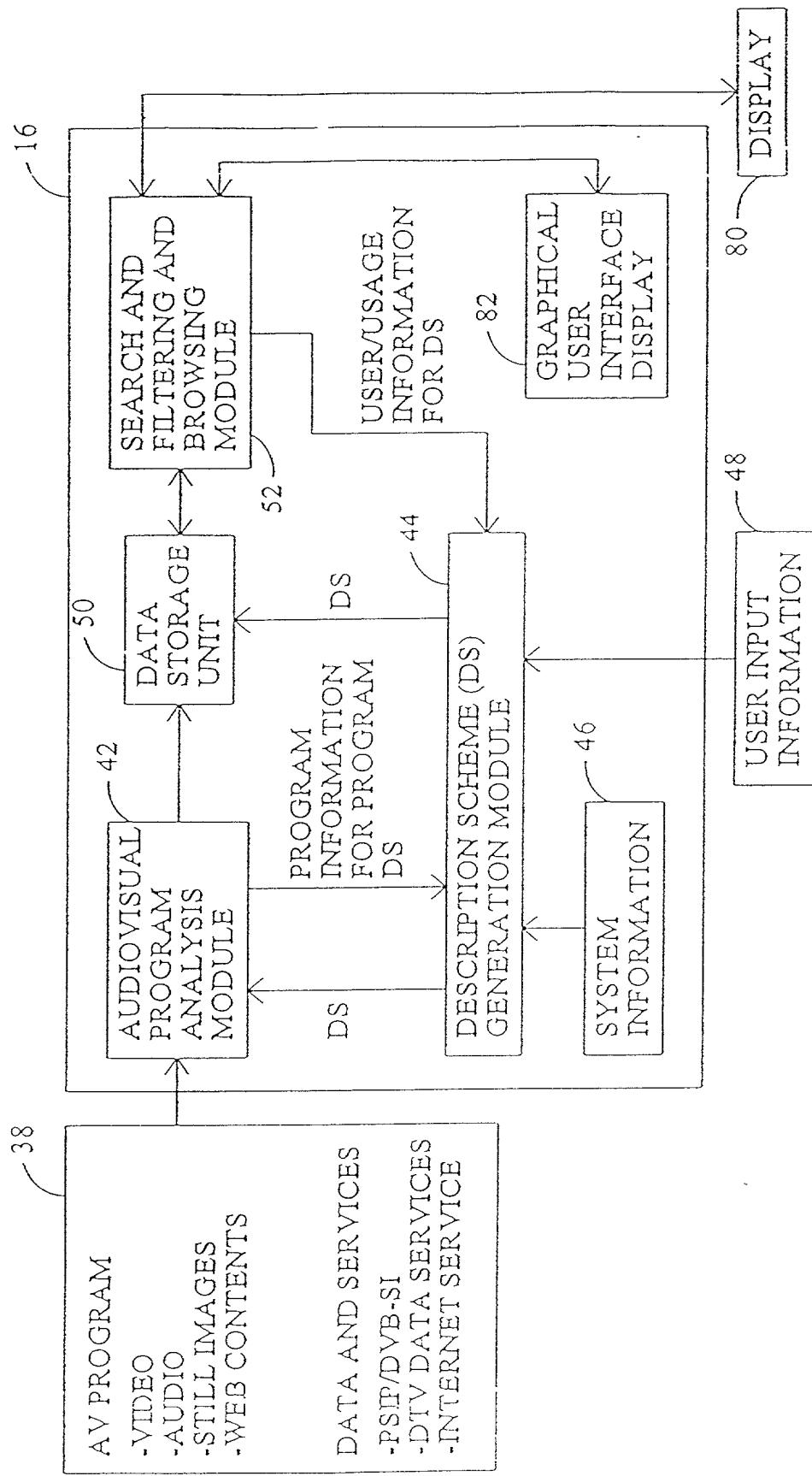


FIG. 2

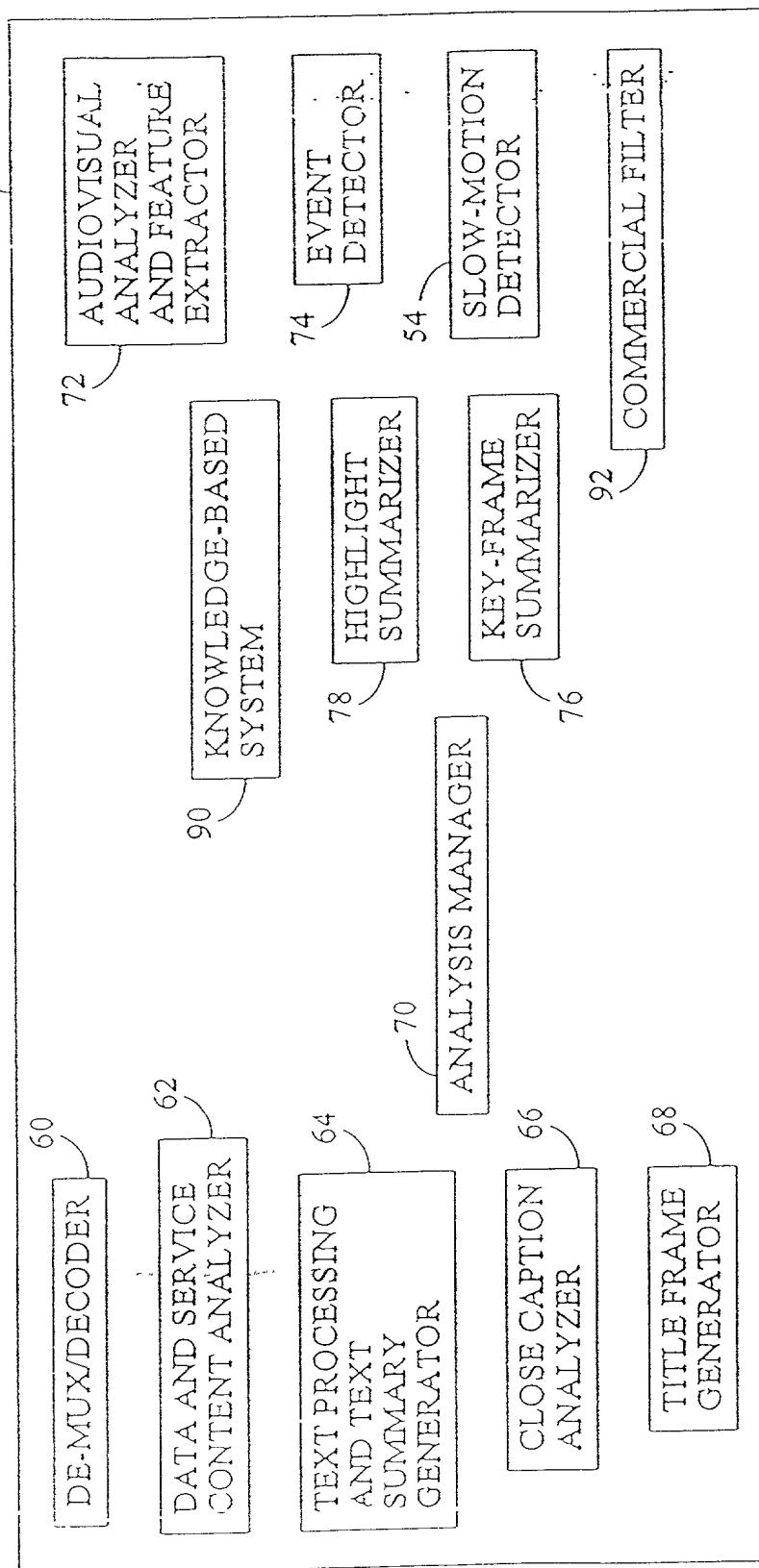


FIG. 3

Thumbnail View (Category)

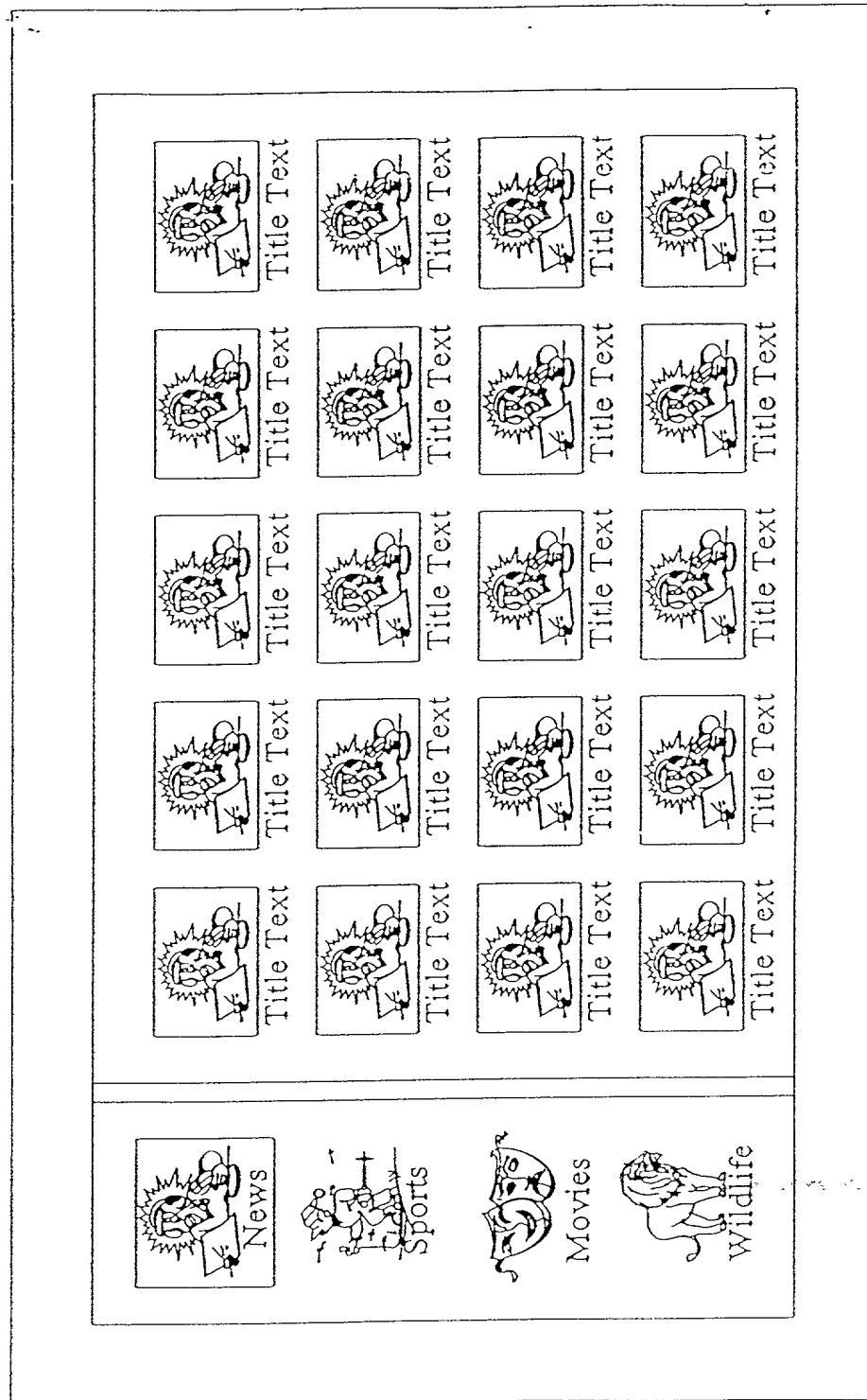


FIG. 4

Thumbnail View (Channel)

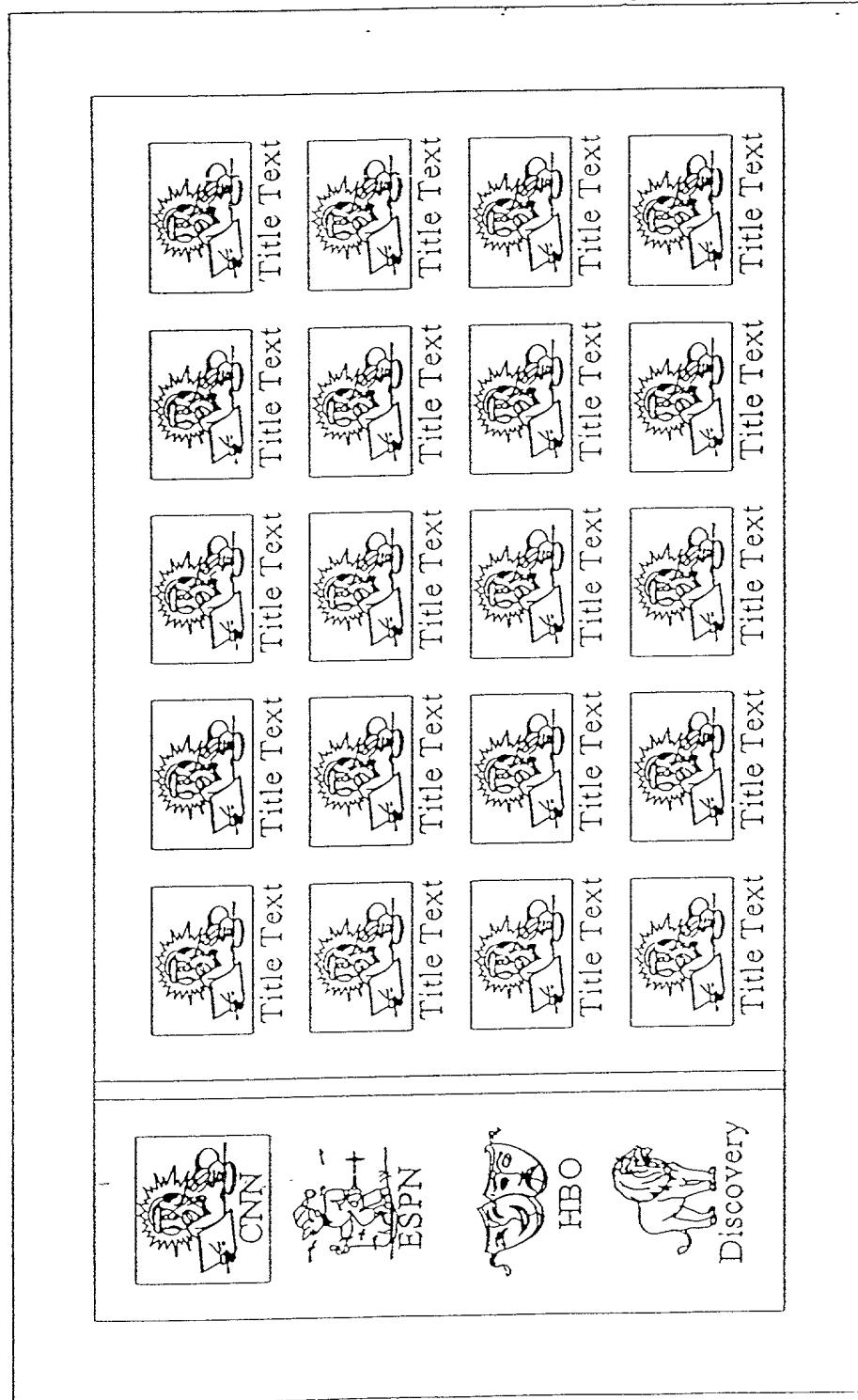


FIG. 5

Text View (Channel)

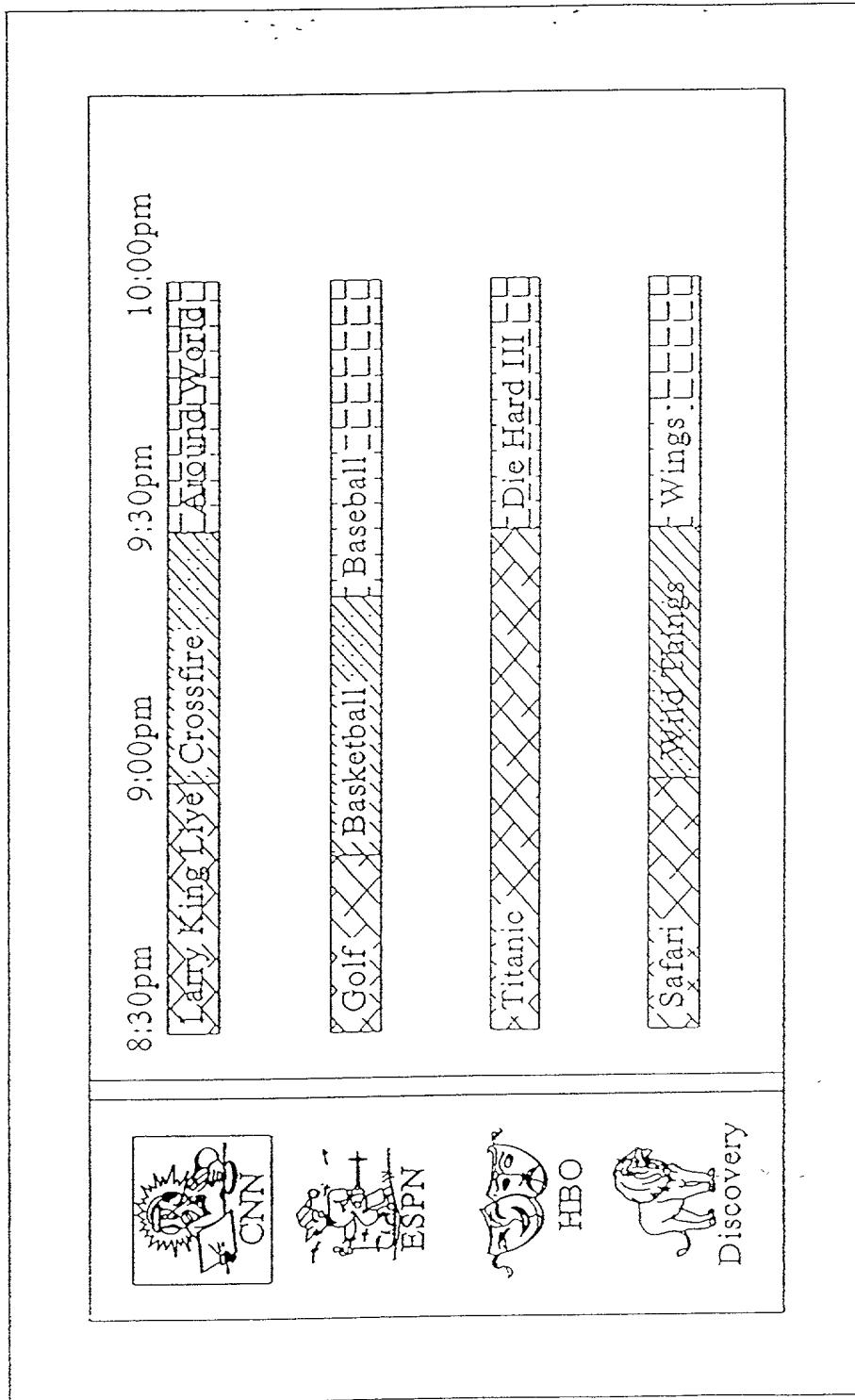


FIG. 6

Frame View

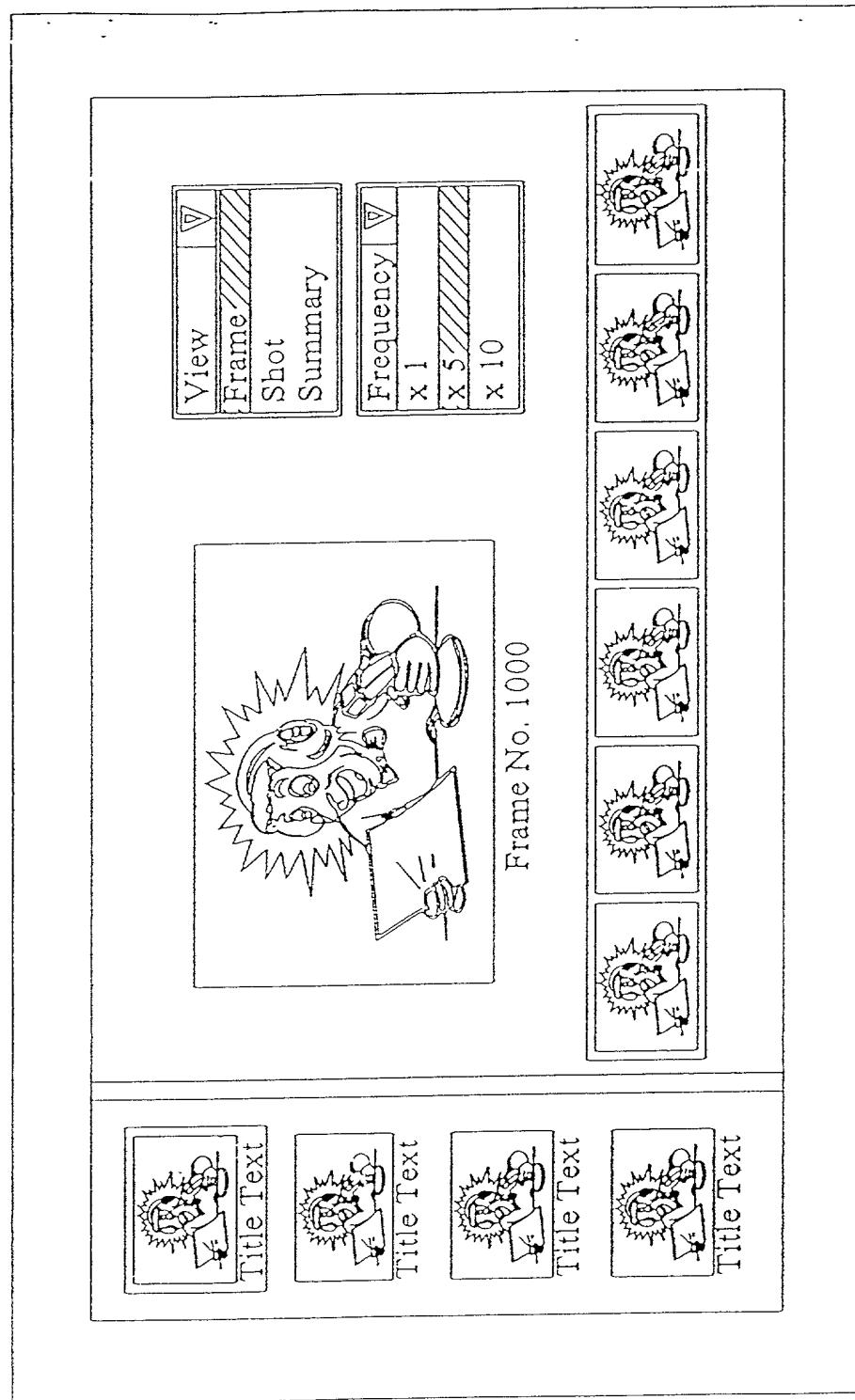


FIG. 7

Shot View

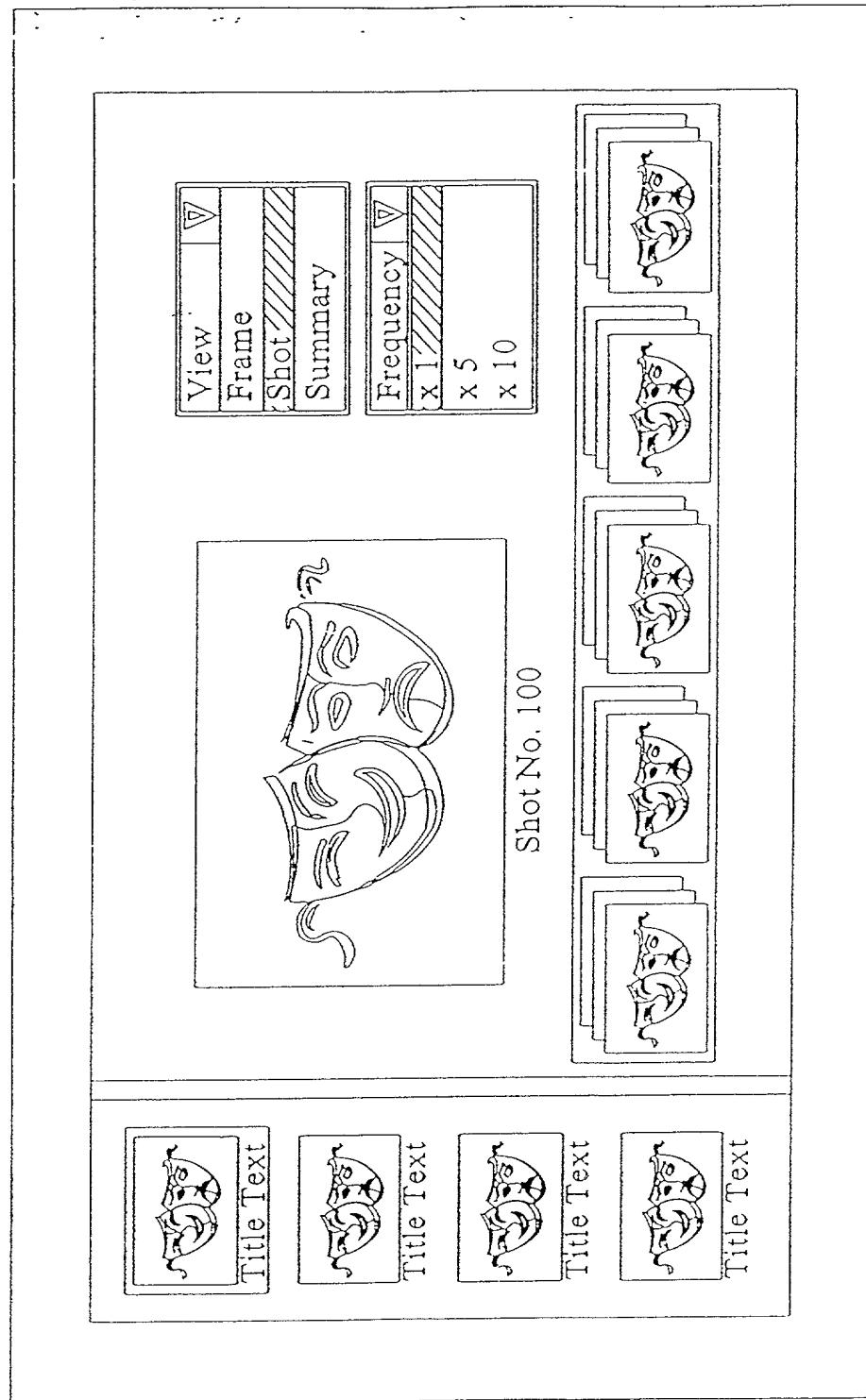


FIG. 8

Key Frame View

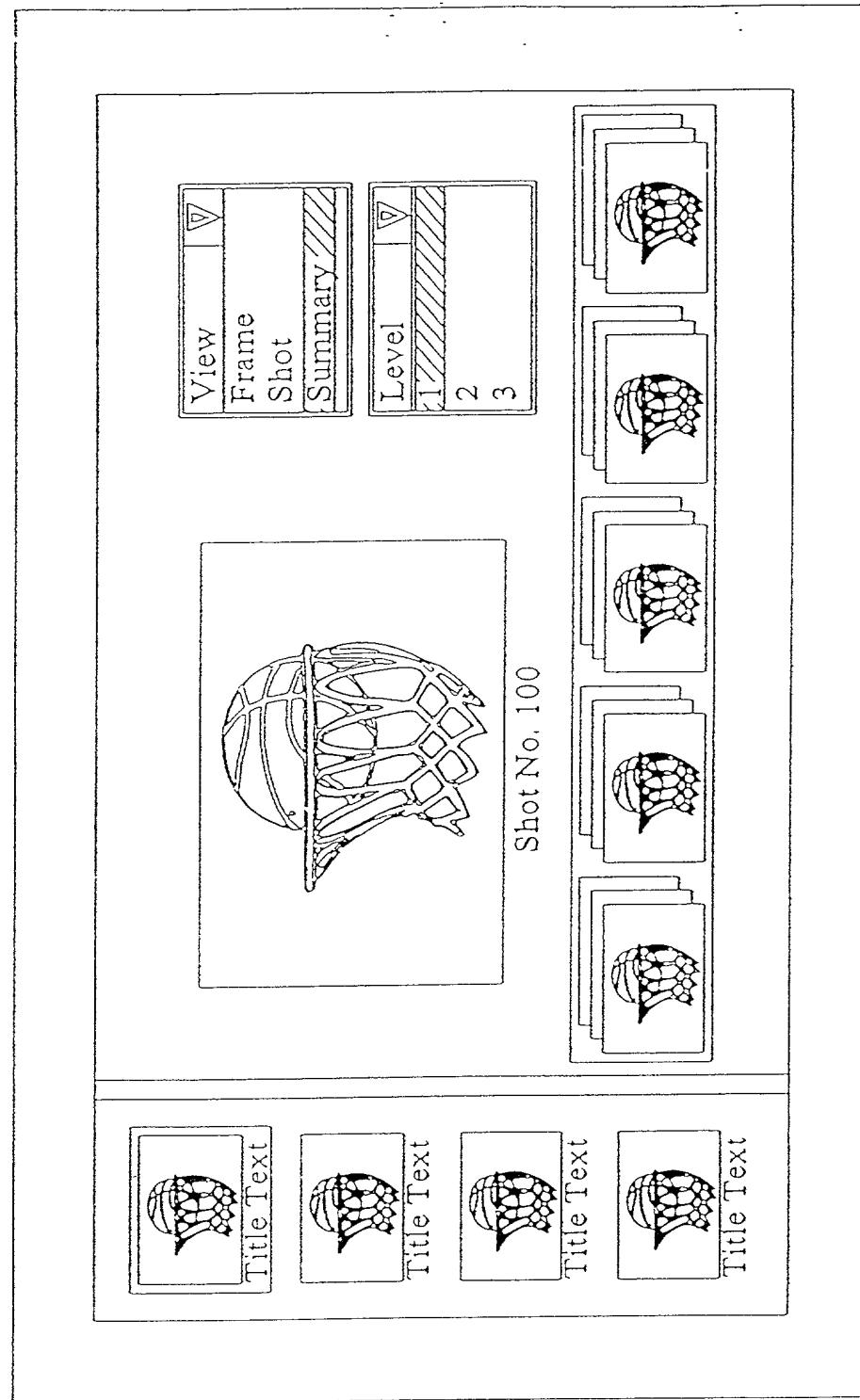


FIG. 9

Highlight View

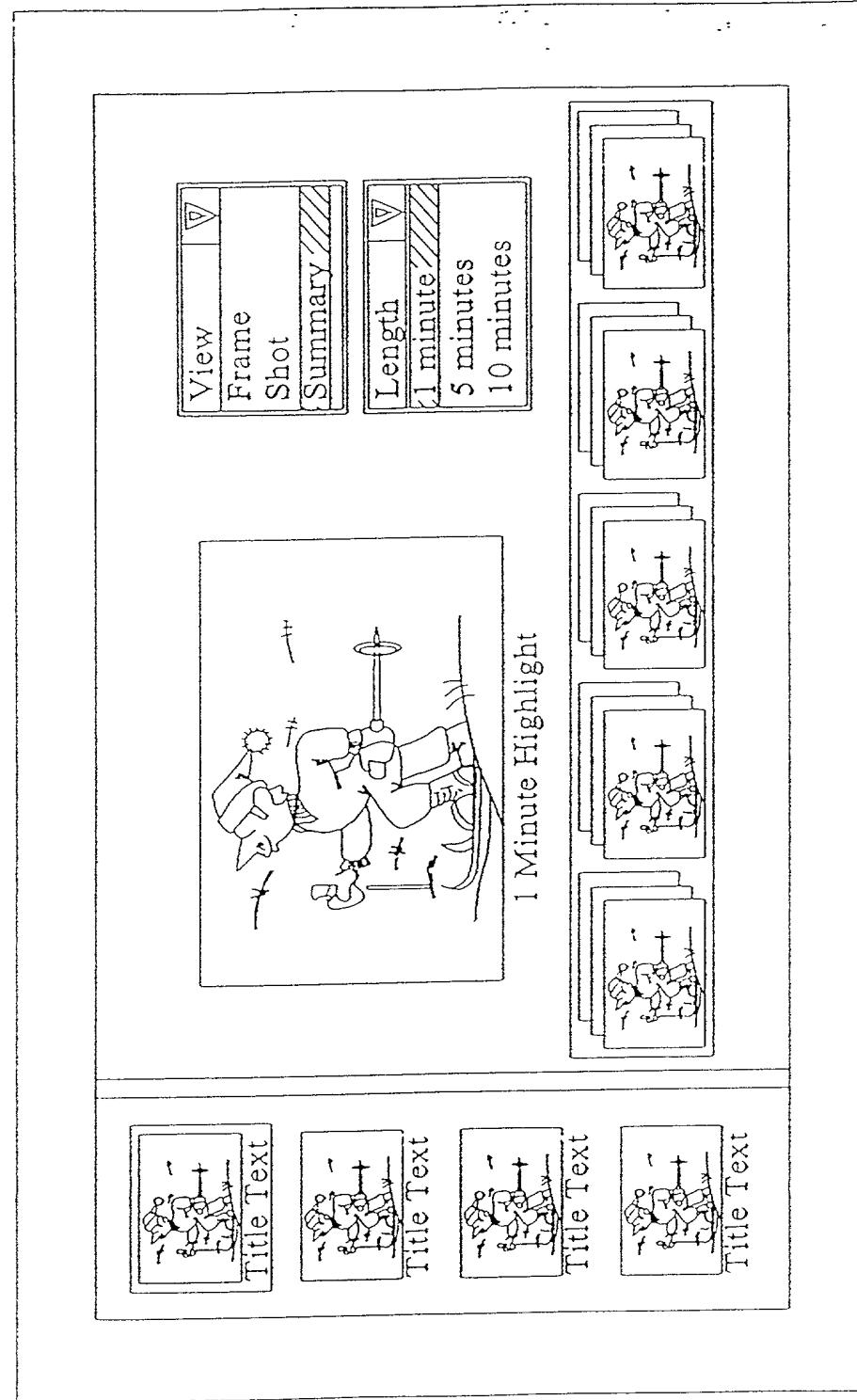


FIG. 10

Event View

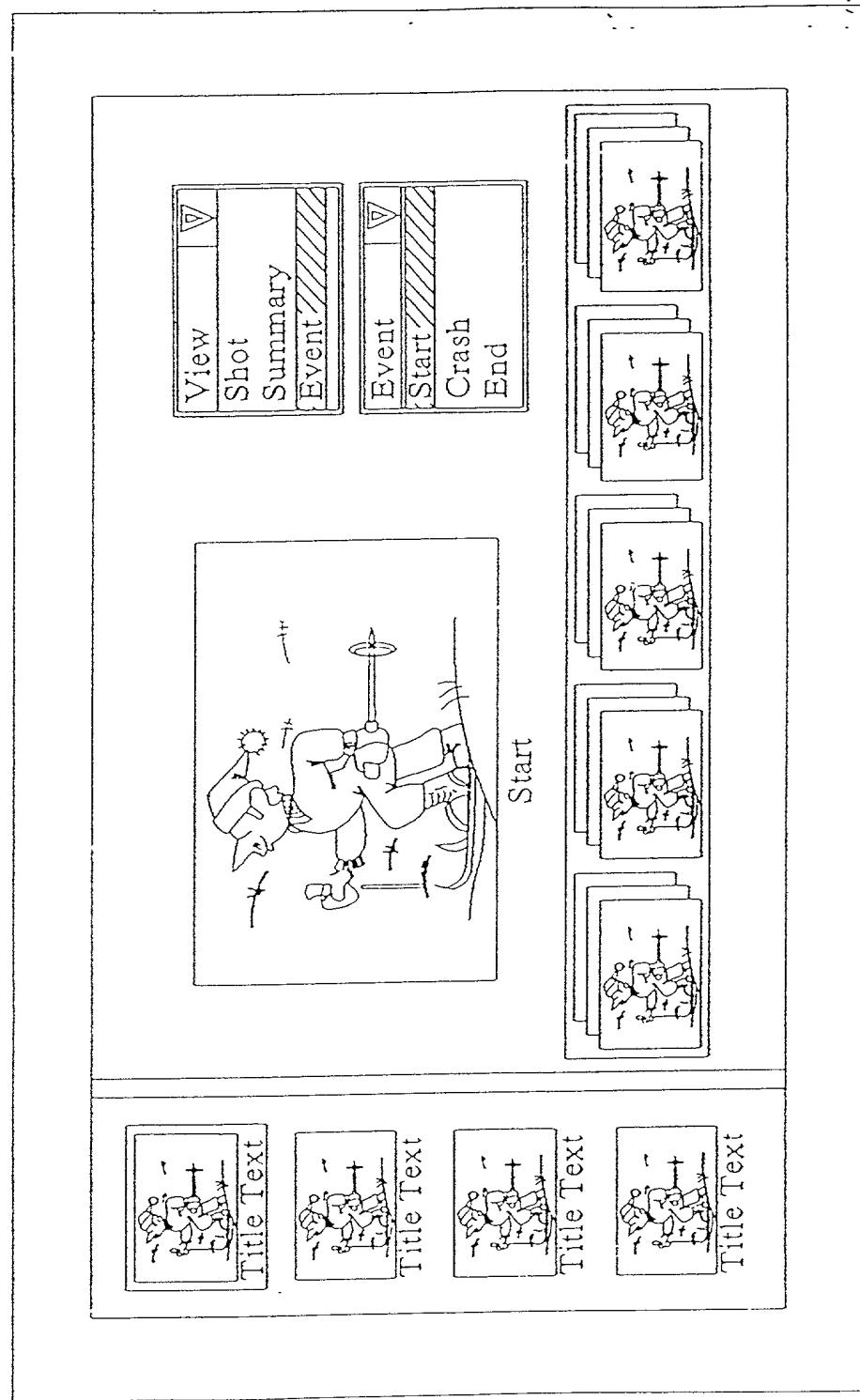


FIG. 11

Character/Object View

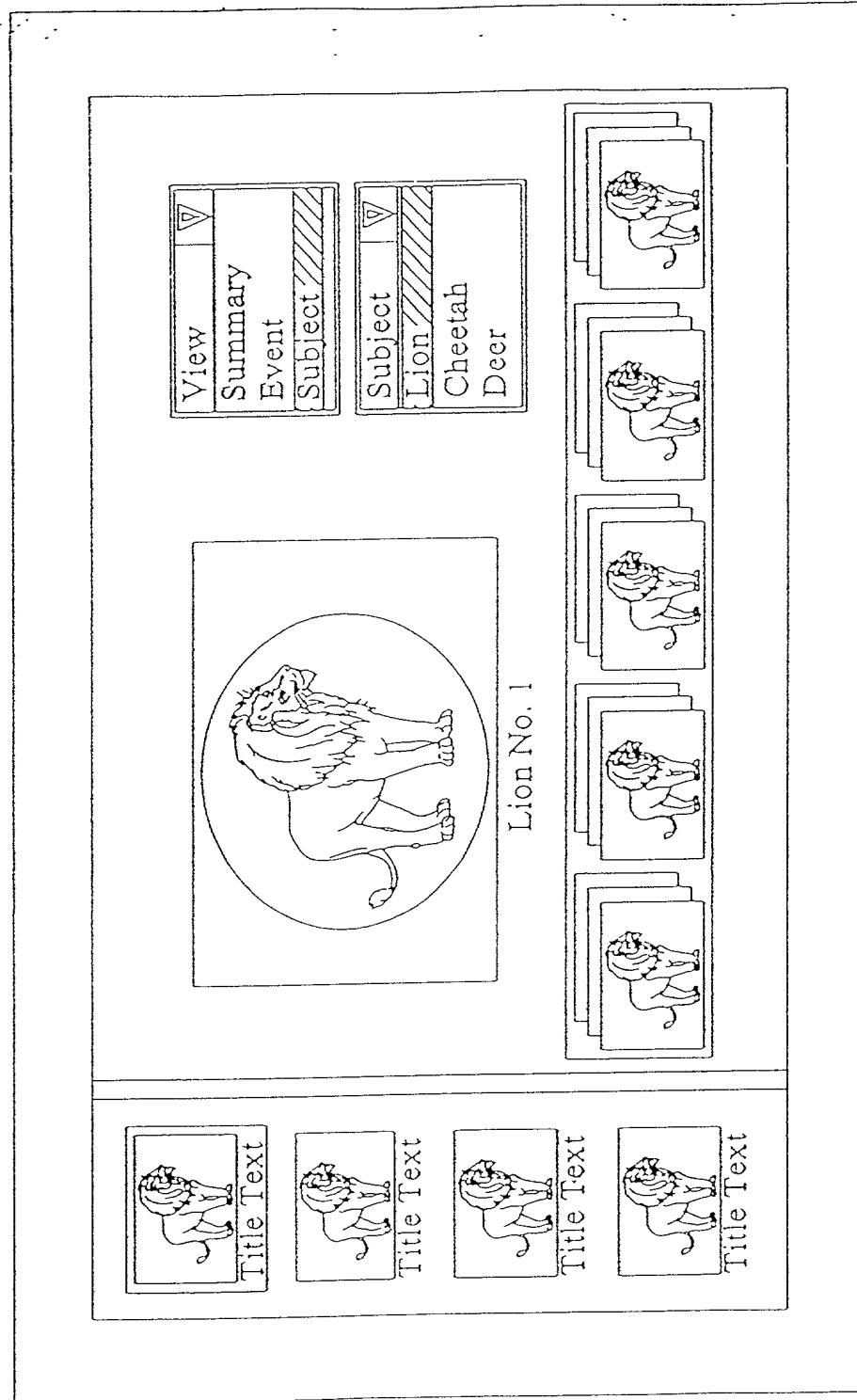


FIG. 12

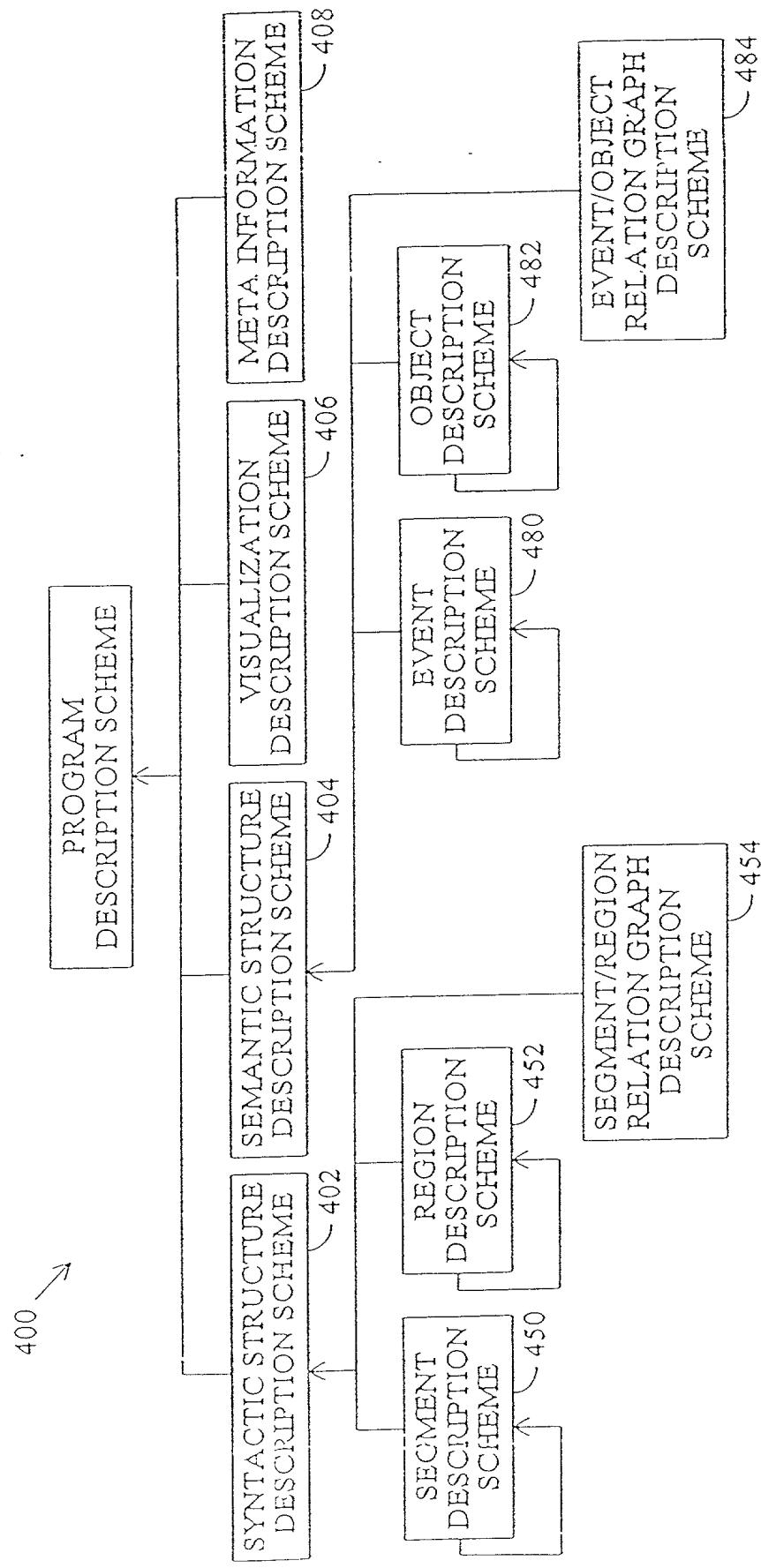


FIG. 13

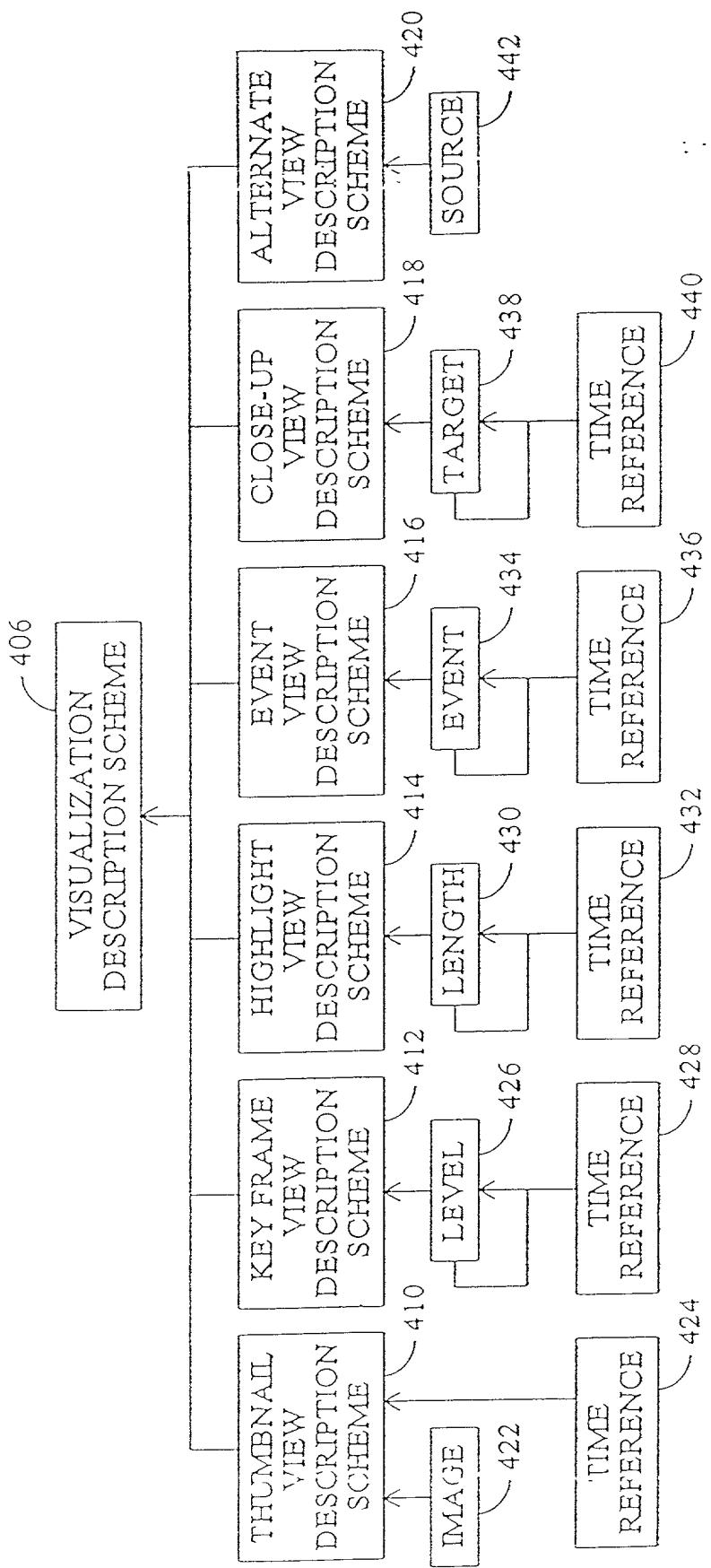
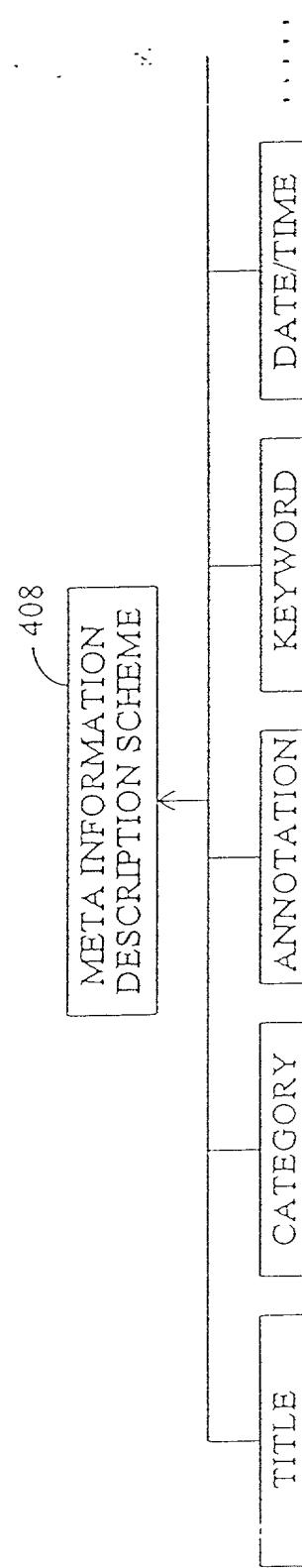


FIG. 14

FIG. 15



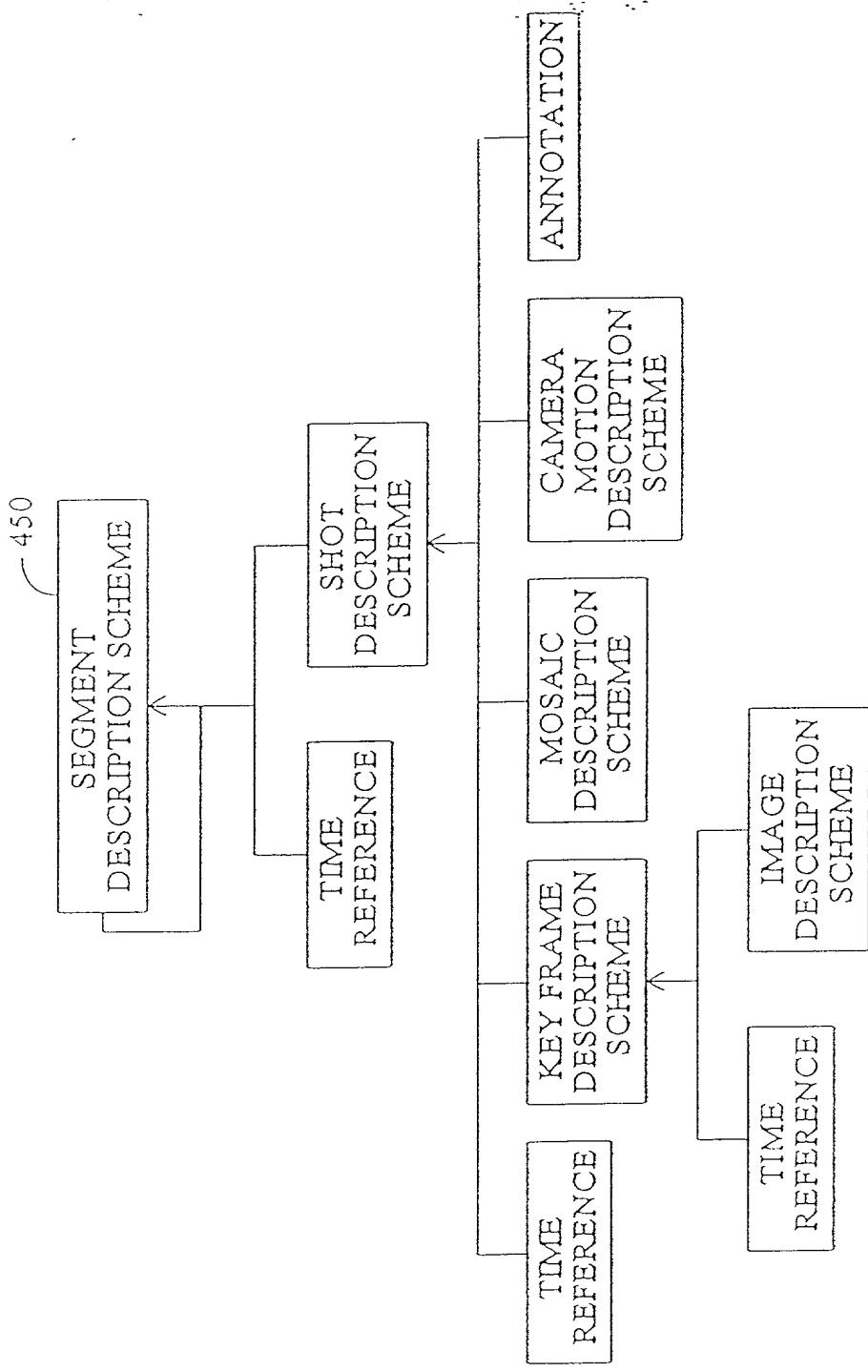


FIG. 16

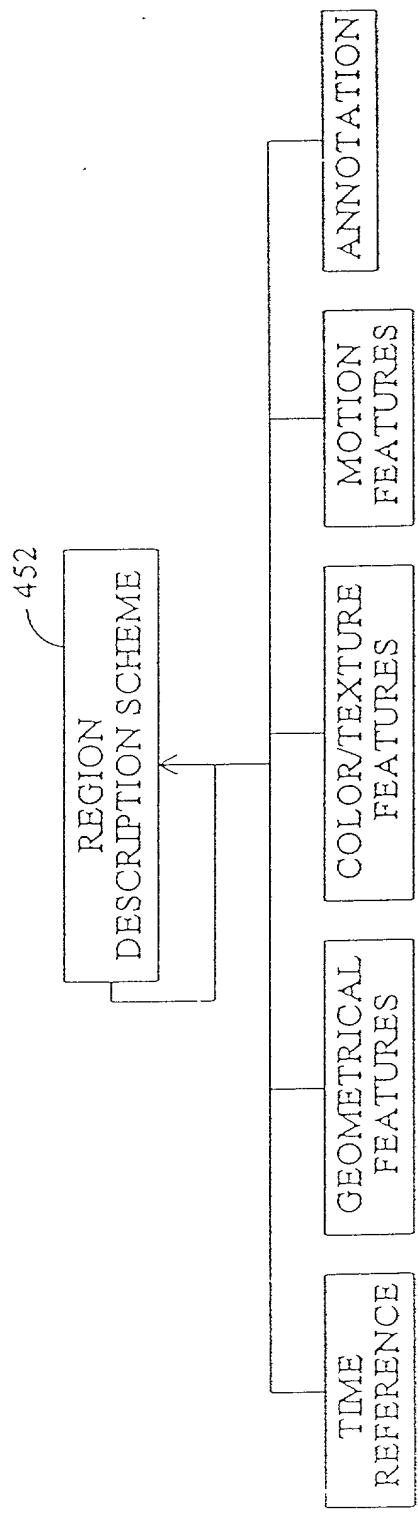


FIG. 17

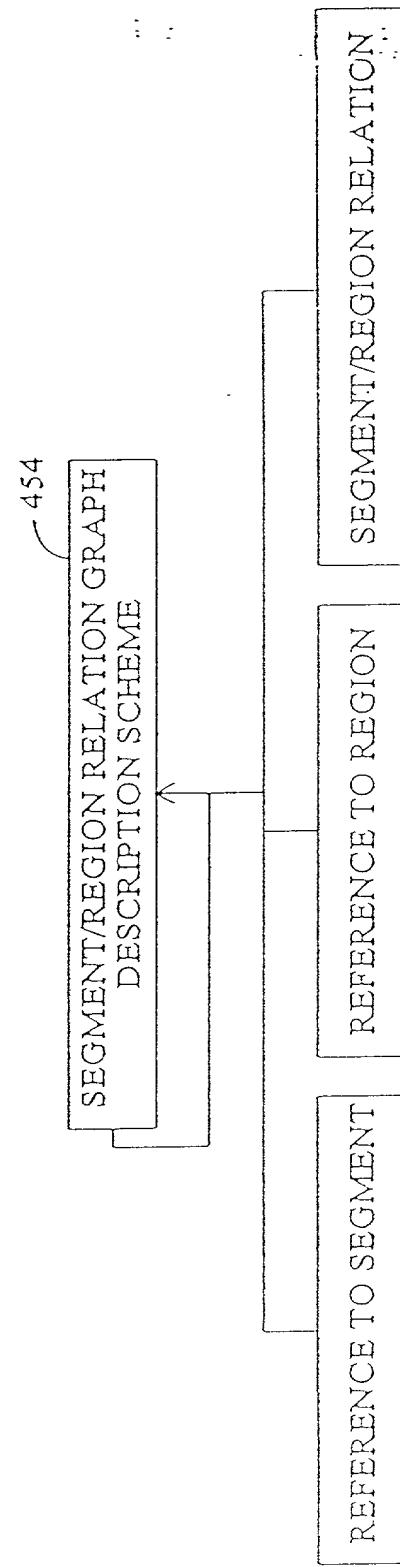


FIG. 18

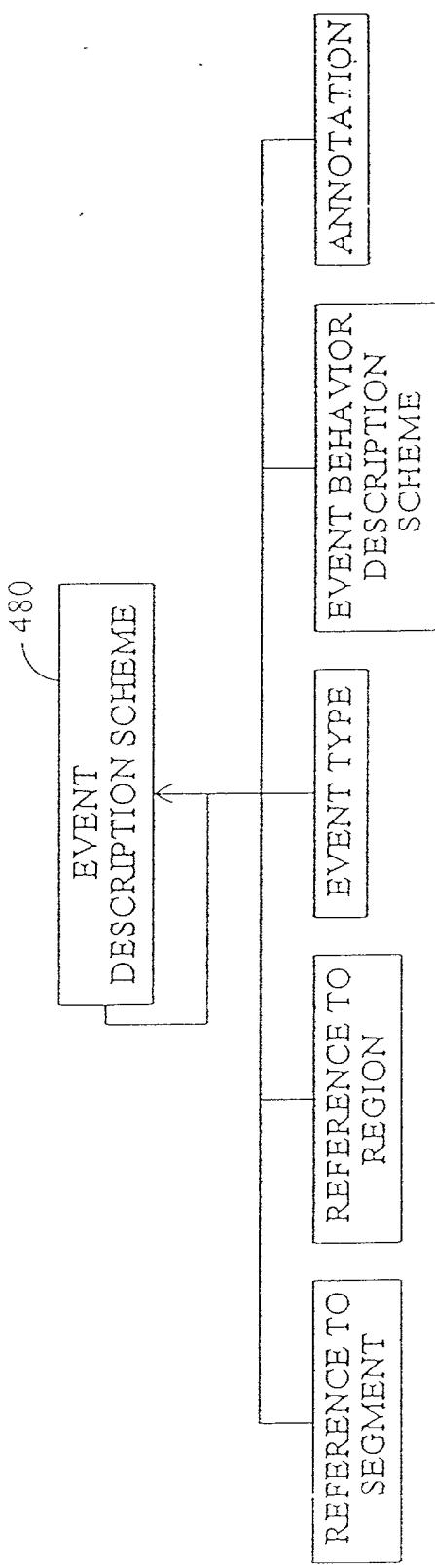


FIG. 19

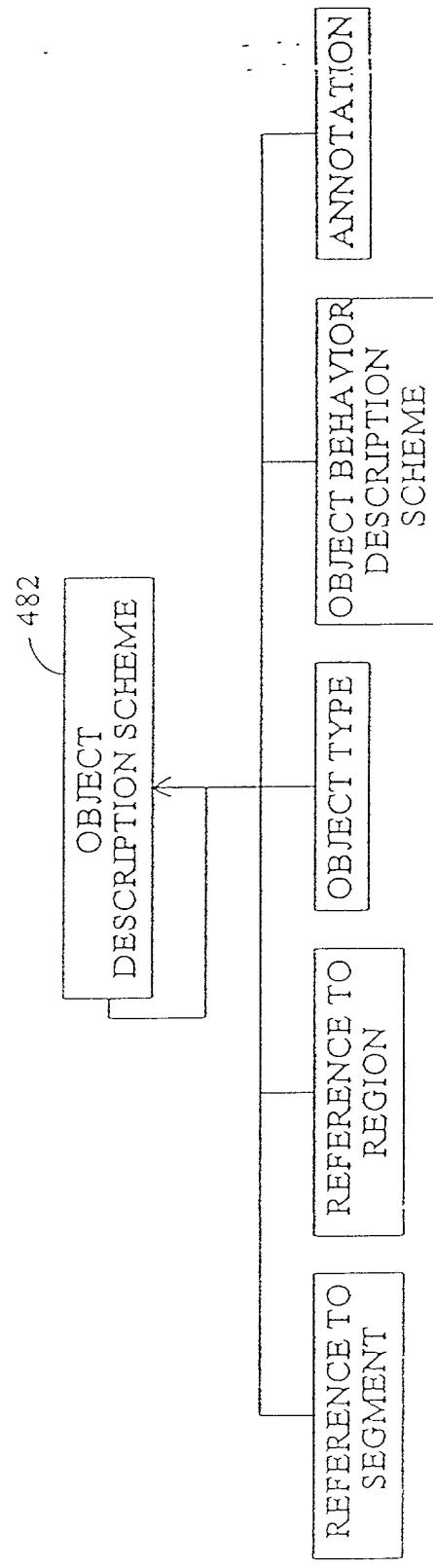
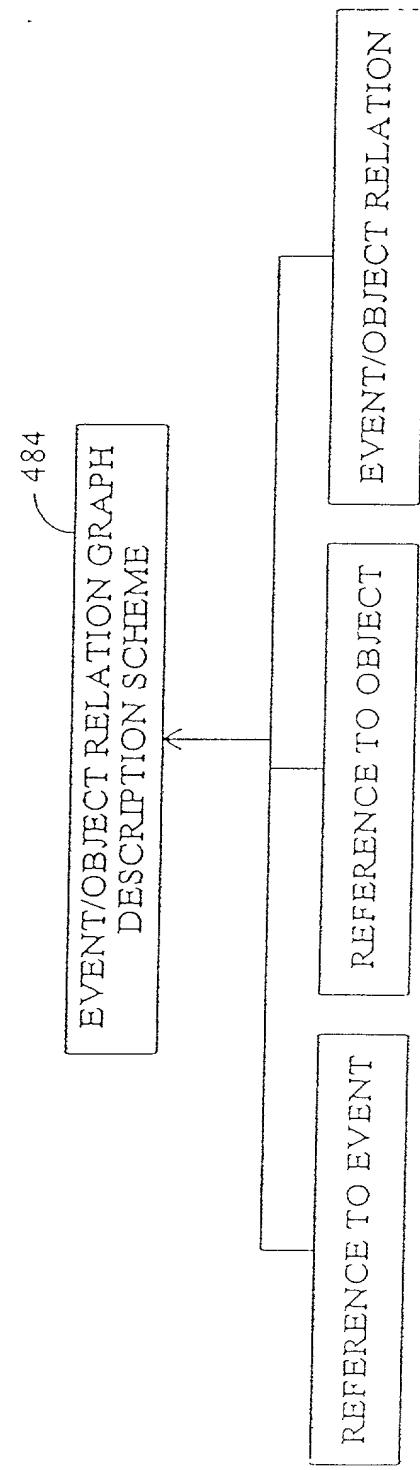


FIG. 20

FIG. 21



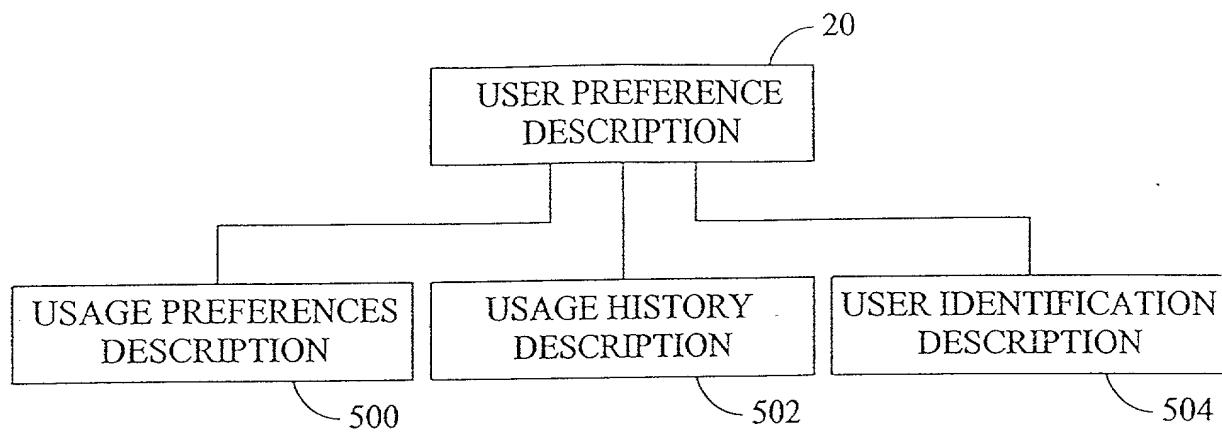


FIG. 22

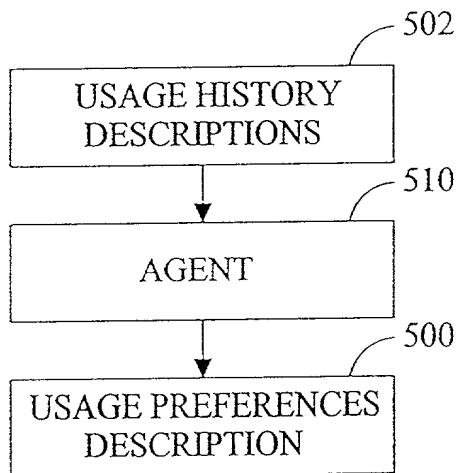


FIG. 23

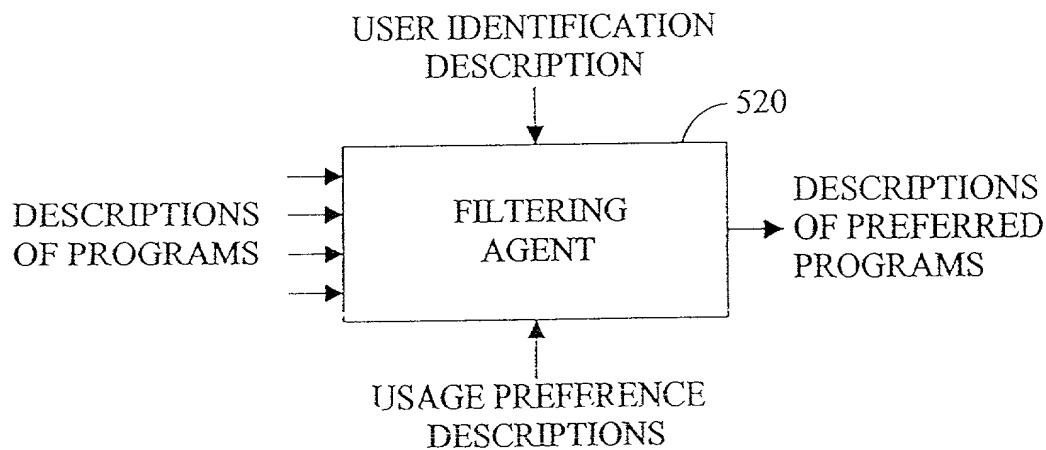


FIG. 24

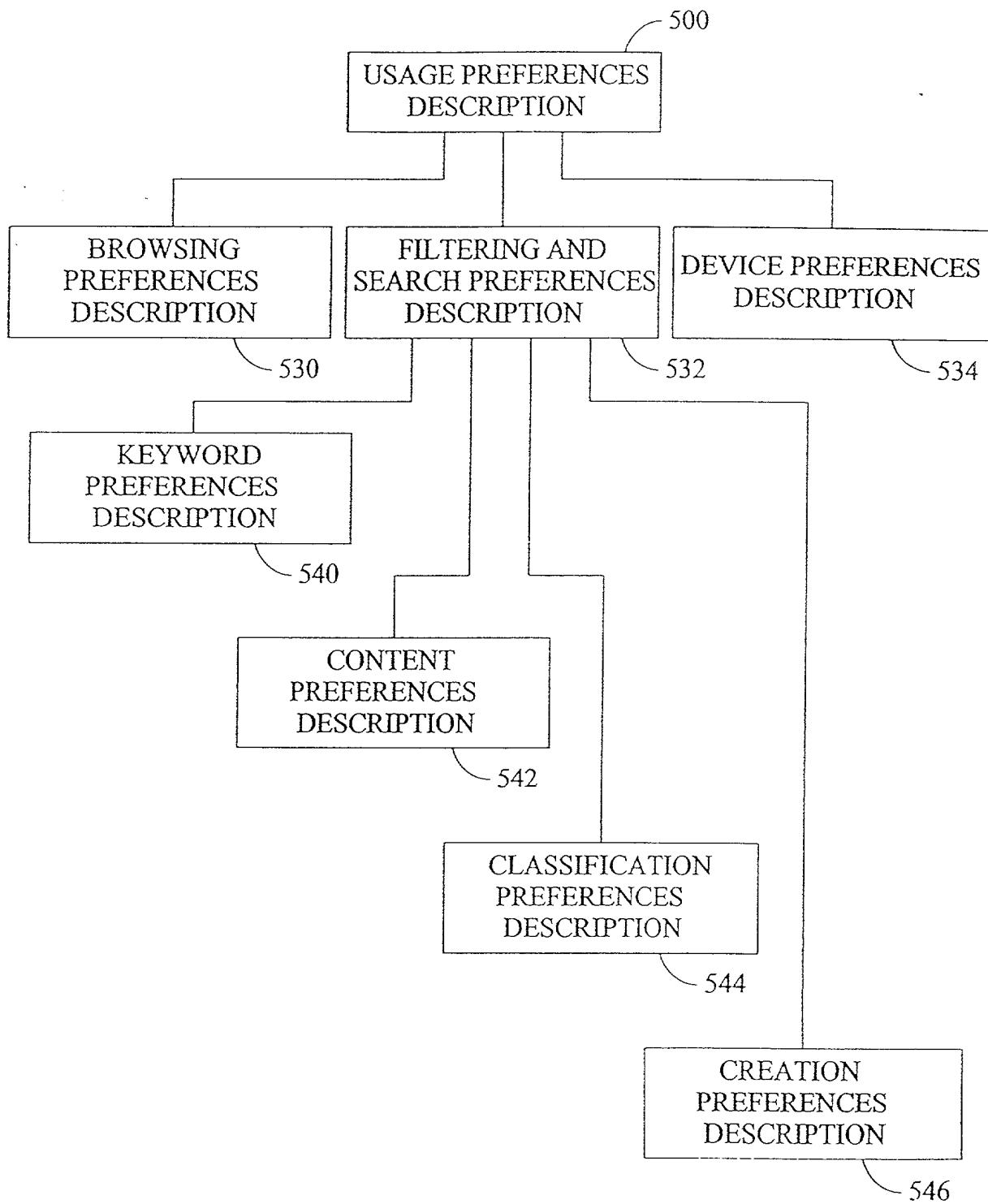


FIG. 25

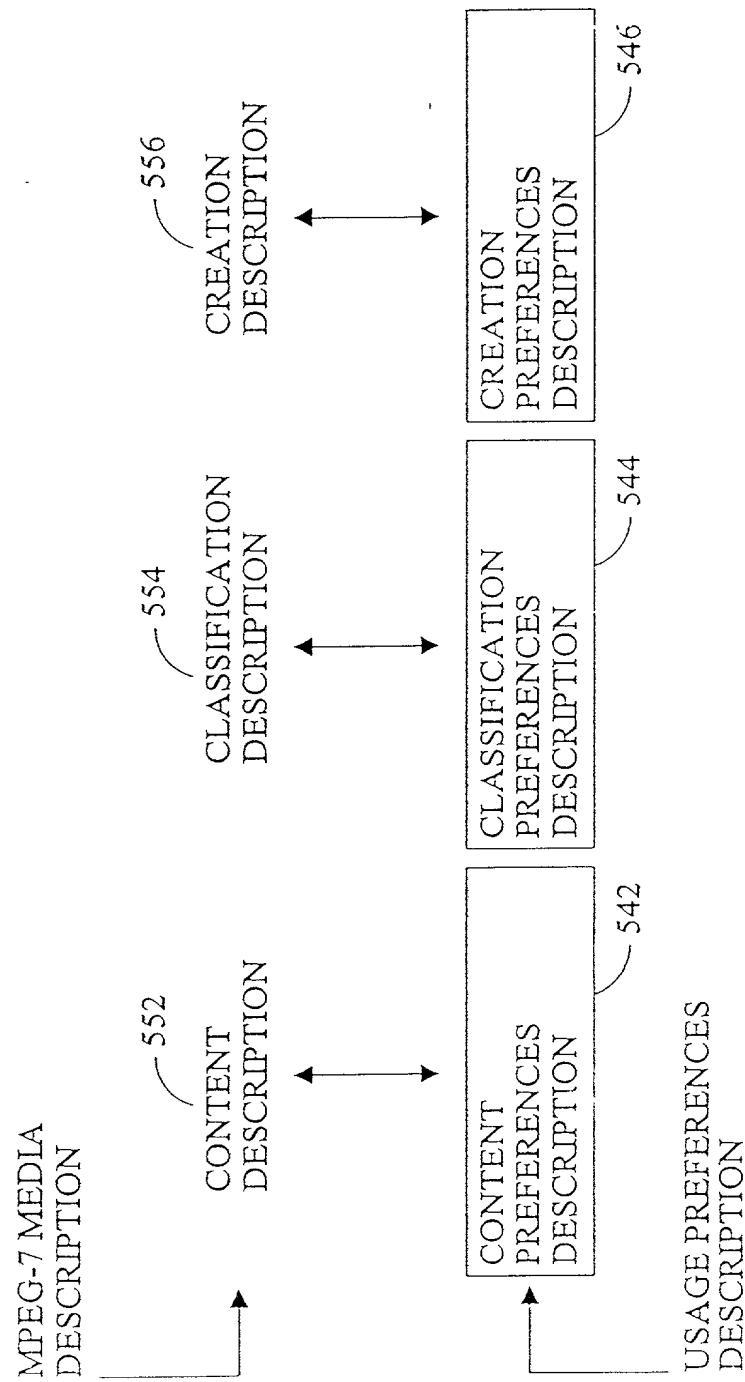


FIG. 26

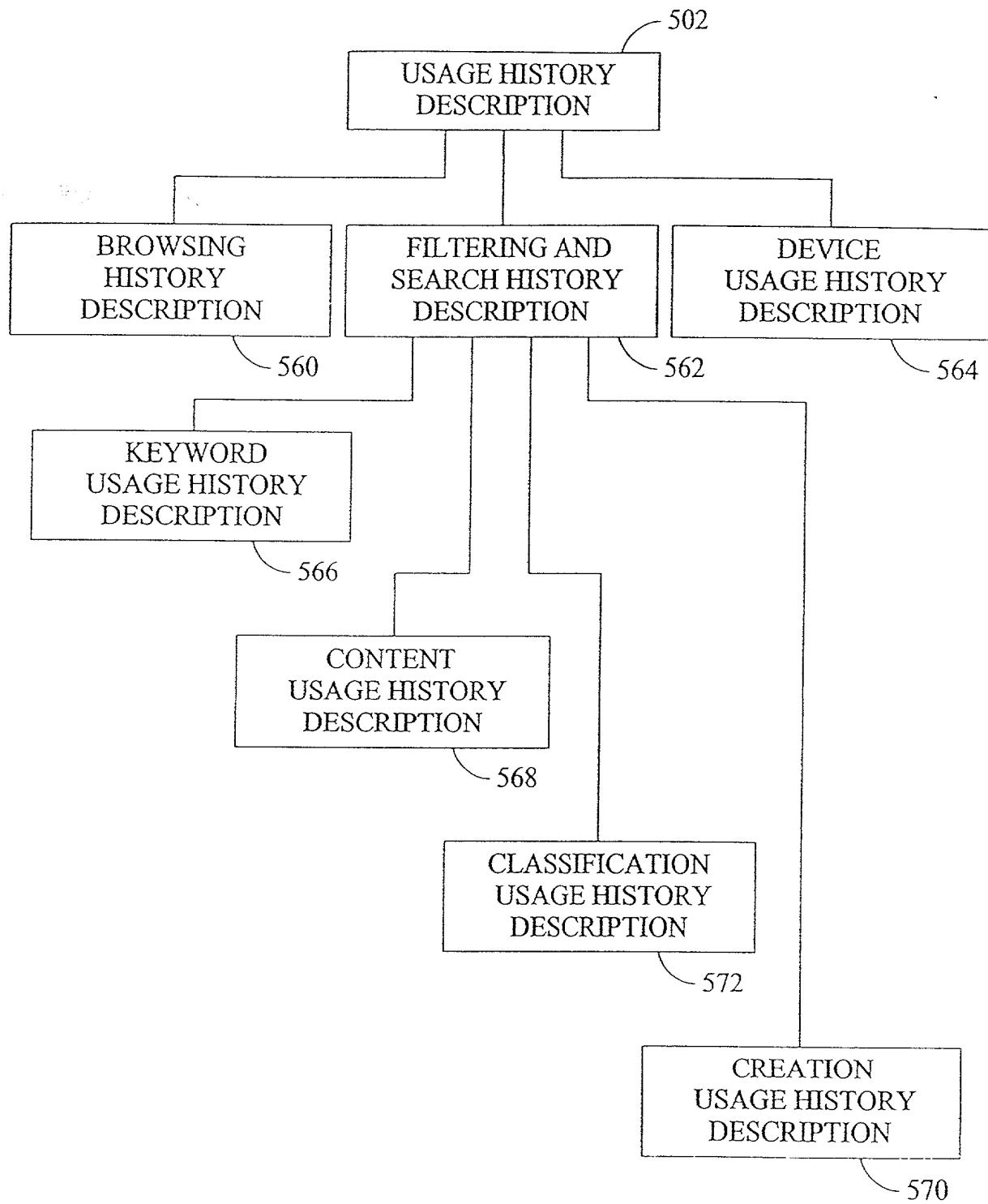


FIG. 27

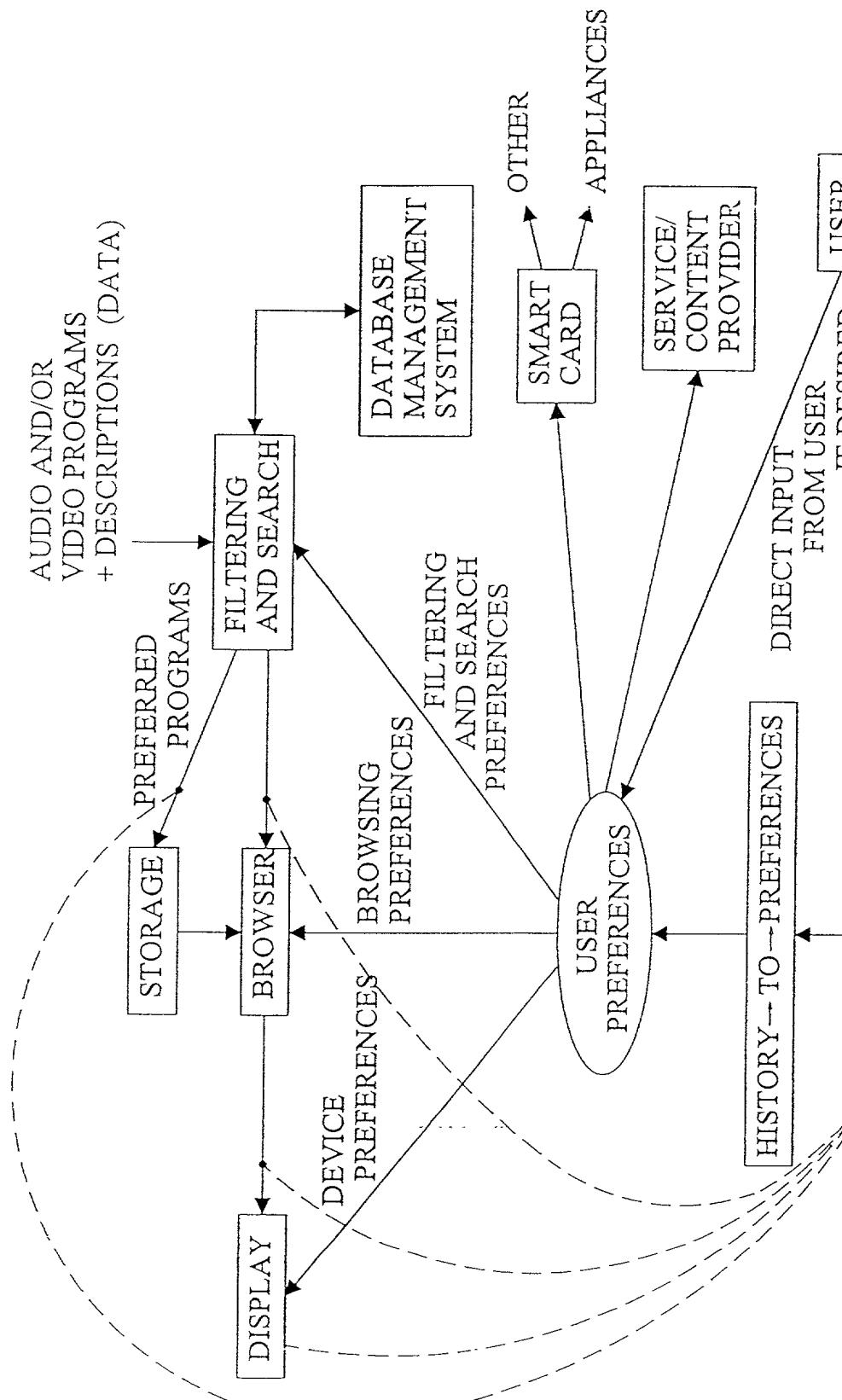


FIG. 28

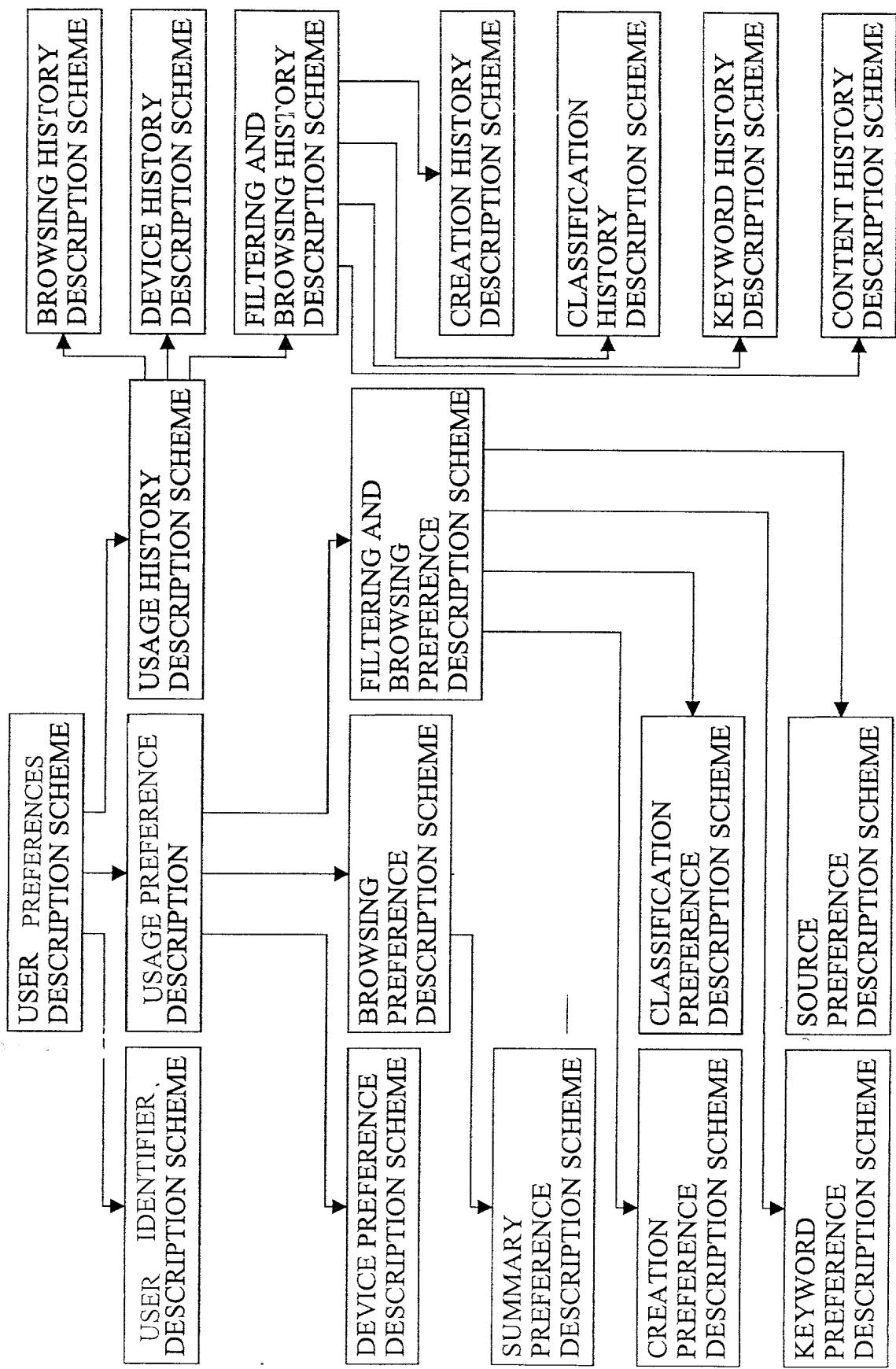


FIG. 29

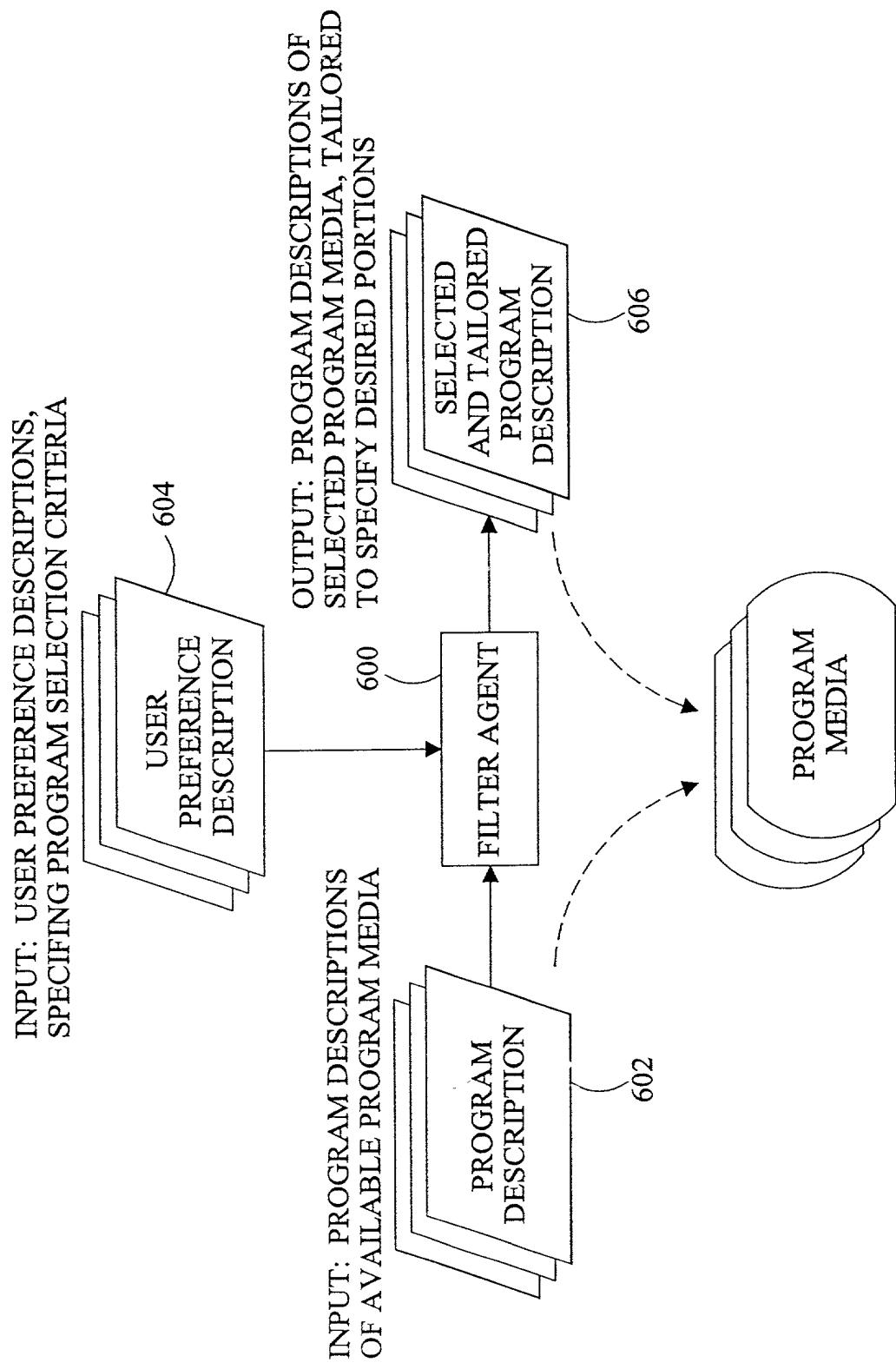
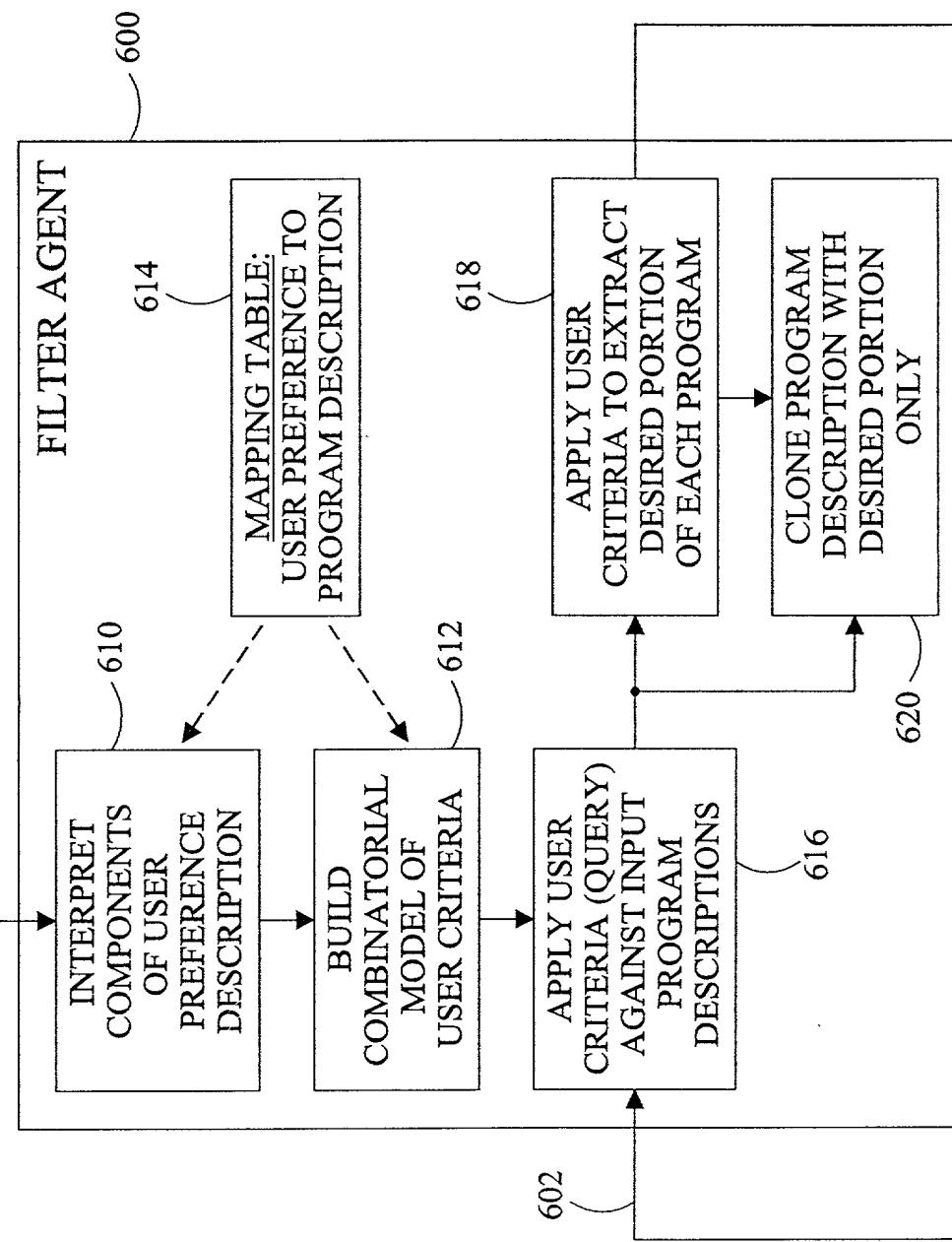


FIG. 30

INPUT: USER PREFERENCE DESCRIPTIONS, 604
SPECIFYING PROGRAM SELECTION CRITERIA

FIG. 31



INPUT: PROGRAM DESCRIPTIONS OF AVAILABLE PROGRAM MEDIA

OUTPUT: PROGRAM DESCRIPTIONS OF SELECTED PROGRAM MEDIA, TAILORED TO SPECIFY DESIRED PORTIONS

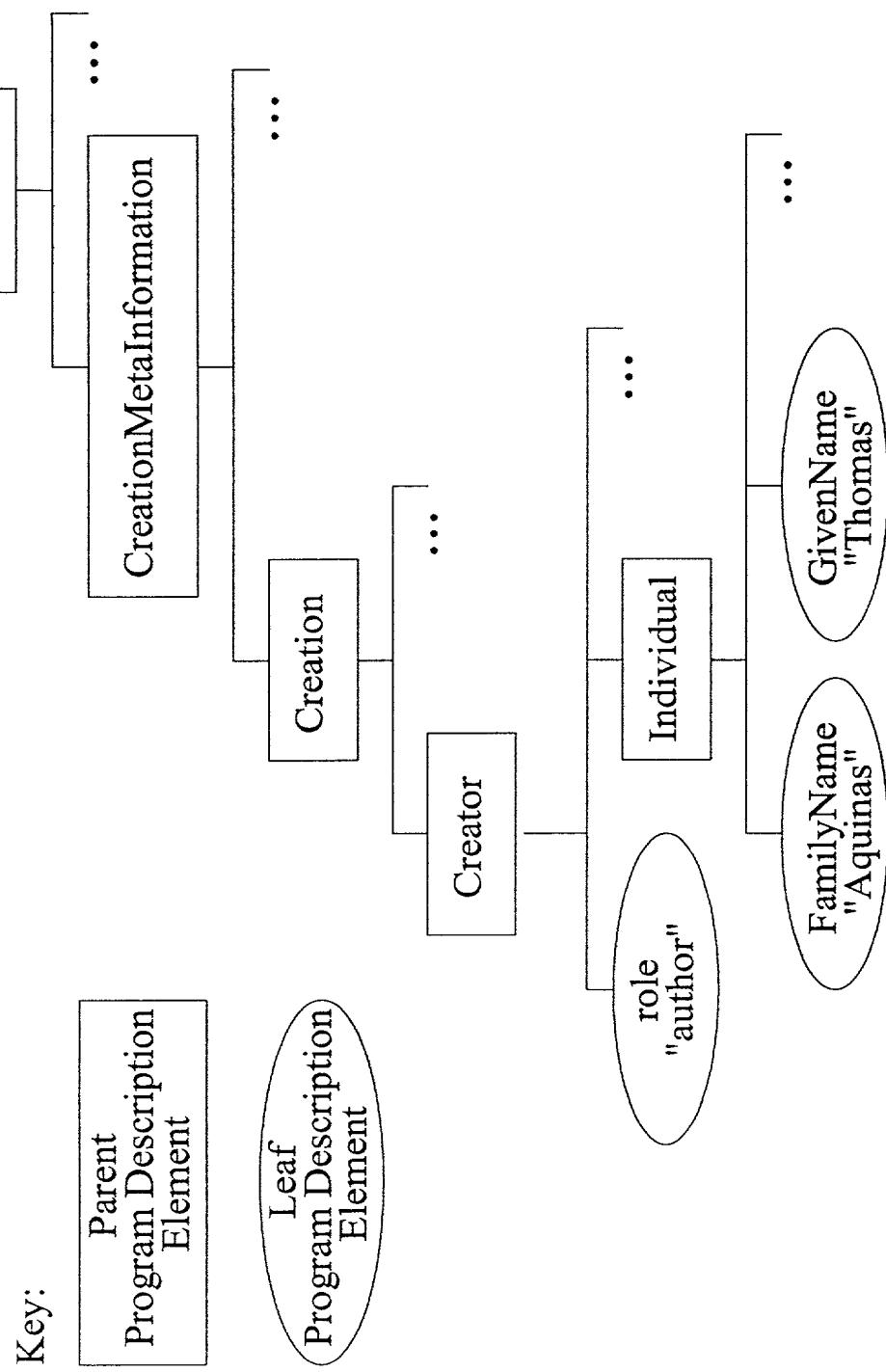


FIG. 32

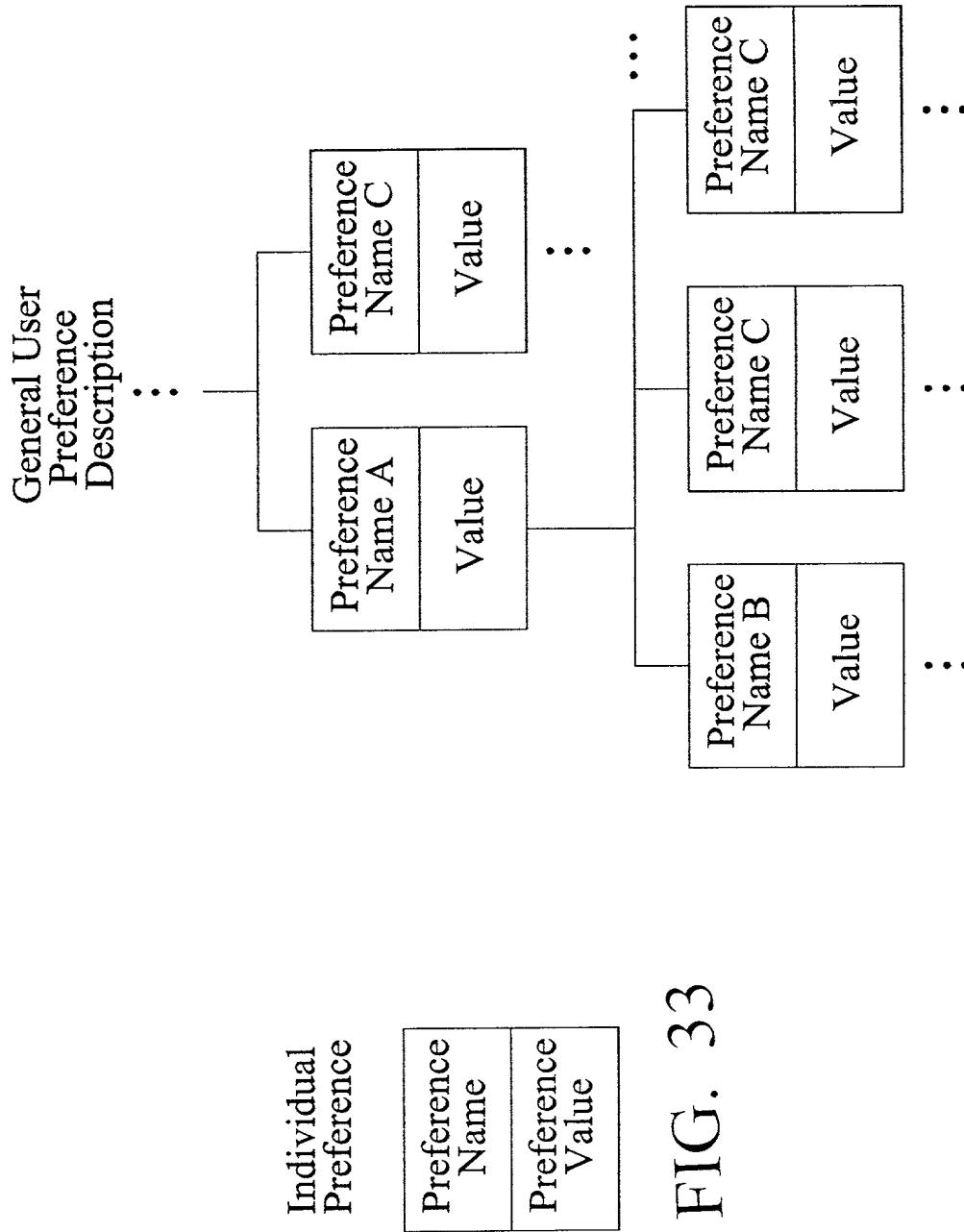
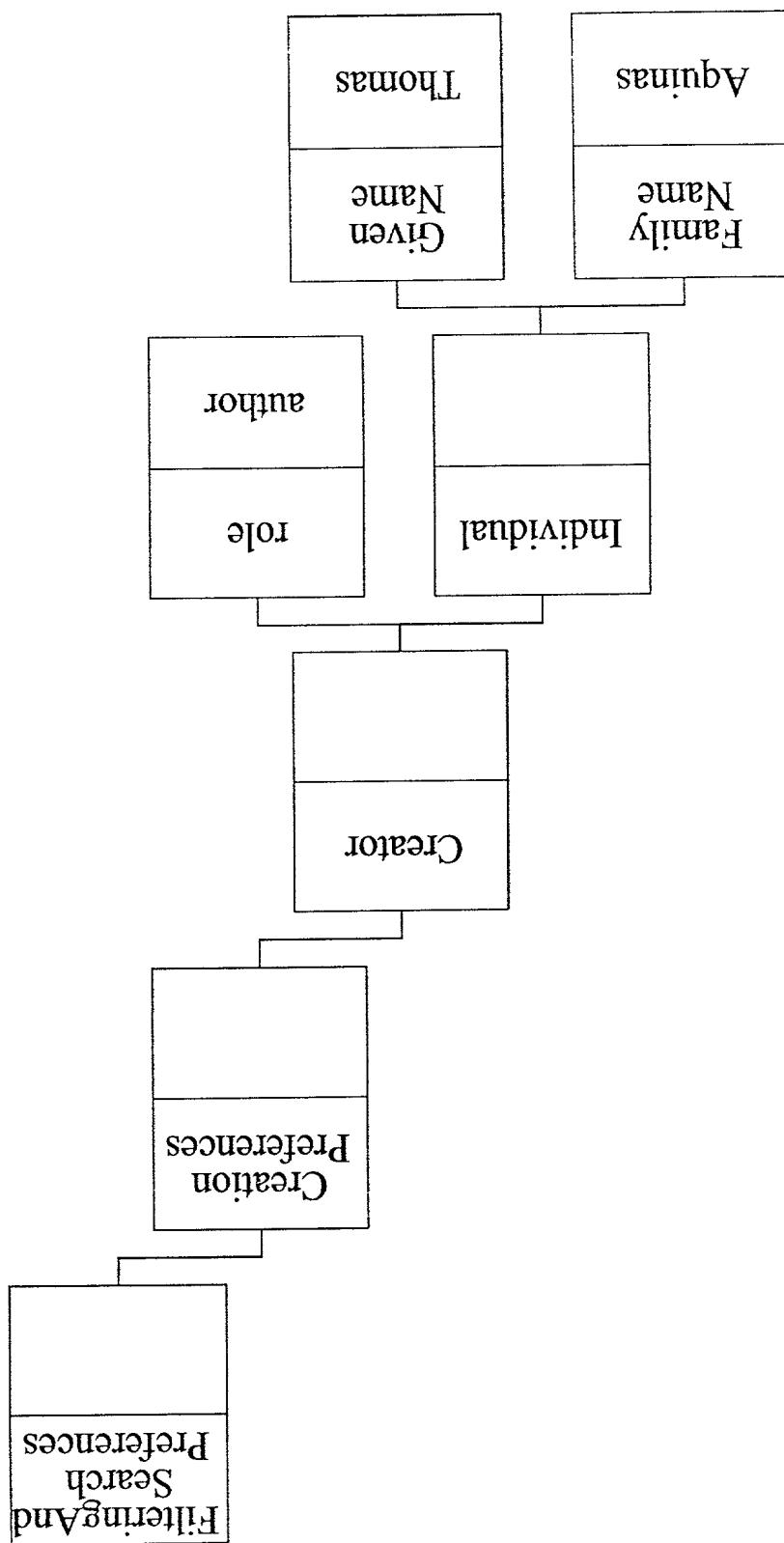


FIG. 33

FIG. 34

FIG. 35



<u>Name</u>	<u>Location</u>	<u>TestOp</u>	<u>InterOp</u>	<u>IntraOp</u>
FilteringAndSearch Preferences/ CreationPreferences	/Program /*CreationMetaInformation /*Creation	match-case-insens	AND	AND
Creator/role	/*Creator/role	NULL	CAND	OR
Creator/Individual/ FamilyName	/*Creator/Individual /FamilyName	substring-case-insens	CAND	OR
Creator/Individual/ GivenName	/*Creator/Individual /*GivenName	substring-case-insens	CAND	OR

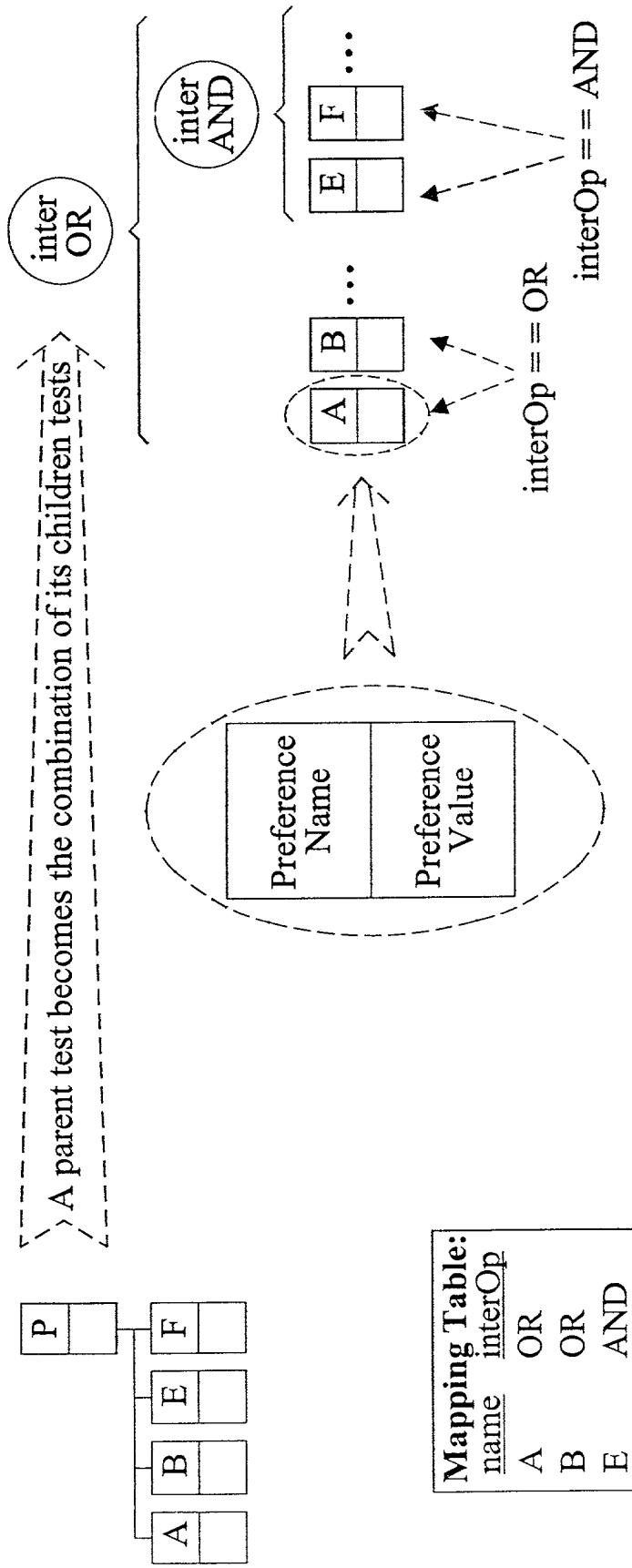
FIG. 36

Test Operator	Description
substring-case-insensitive	Test that the preference value string [is a substring of] / [matches] the Program Description element value, [with] / [without] being case sensitive.
substring-case-sensitive	
string-match-case-insensitive	
string-match-case-sensitive	
value-less-than	
value-less-than-or-equal	
value-greater-than	
value-greater-than-or-equal	
value-equal	
value-greater-than-less-than	
value-greater-than-equal-less-than-equal	
value-approximately	
count-less-than	
count-greater-than	
count-equal	
count-greater-than-less-than	
count-approximately	

FIG. 37

Combinatorial Operator	Description
AND	The result of this Individual Preference test is boolean ANDed with others. If all the results in this combination are non-zero, the combined result is one, otherwise zero.
OR	The result of this Individual Preference test is boolean ORed with others. If any of the results in this combination are non-zero, the combined result is one, otherwise zero.
CAND	The Individual Preferences in this combination are evaluated form a Constrained common node. If all the results in this combination are non-zero, the combined result is one, otherwise zero.
MAX	The result of this Individual Preference test is combined arithmetically in a Maximum function with others. The combined result is the largest of all the results in this combination.
MIN	The result of this Individual Preference test is combined arithmetically in a Minimum function with others. The combined result is the smallest of all the results in this combination.
PROD	The result of this Individual Preference test is combined arithmetically in a Product function with others. The combined result is the product of all the results in this combination.
SAND	The result of this Individual Preference test is fuzzy ANDed with others. The combined result is the product of all the fuzzy-transformed (mapped to an S-curve profile) results.
SUM	The result of this Individual Preference test is combined arithmetically in a Sum function with others. The combined result is the sum of all the results in this combination. The result may be further bounded to a maximum result value.
FREQ	The result of this Individual Preference test is boolean counted with others, and the sum is normalized. The combined result is the count of all non-zero results, divided by a fixed maximum frequency number. The result may be further bounded to a maximum result value.
RATIO	The result of this Individual Preference test is boolean counted with others, and the sum is normalized by the number of Individual Preference tests in this combination. The combined result is the count of all non-zero results, divided by the count of all results.

FIG. 38



A single leaf Test is composed of:
 mapped location
 mapped operation
 query value

For example:
 mapped location
 mapped operation
 query value

/Program/CreationmetaInformation/
 Title/TitleText
 string_equals
 "Westside Story"

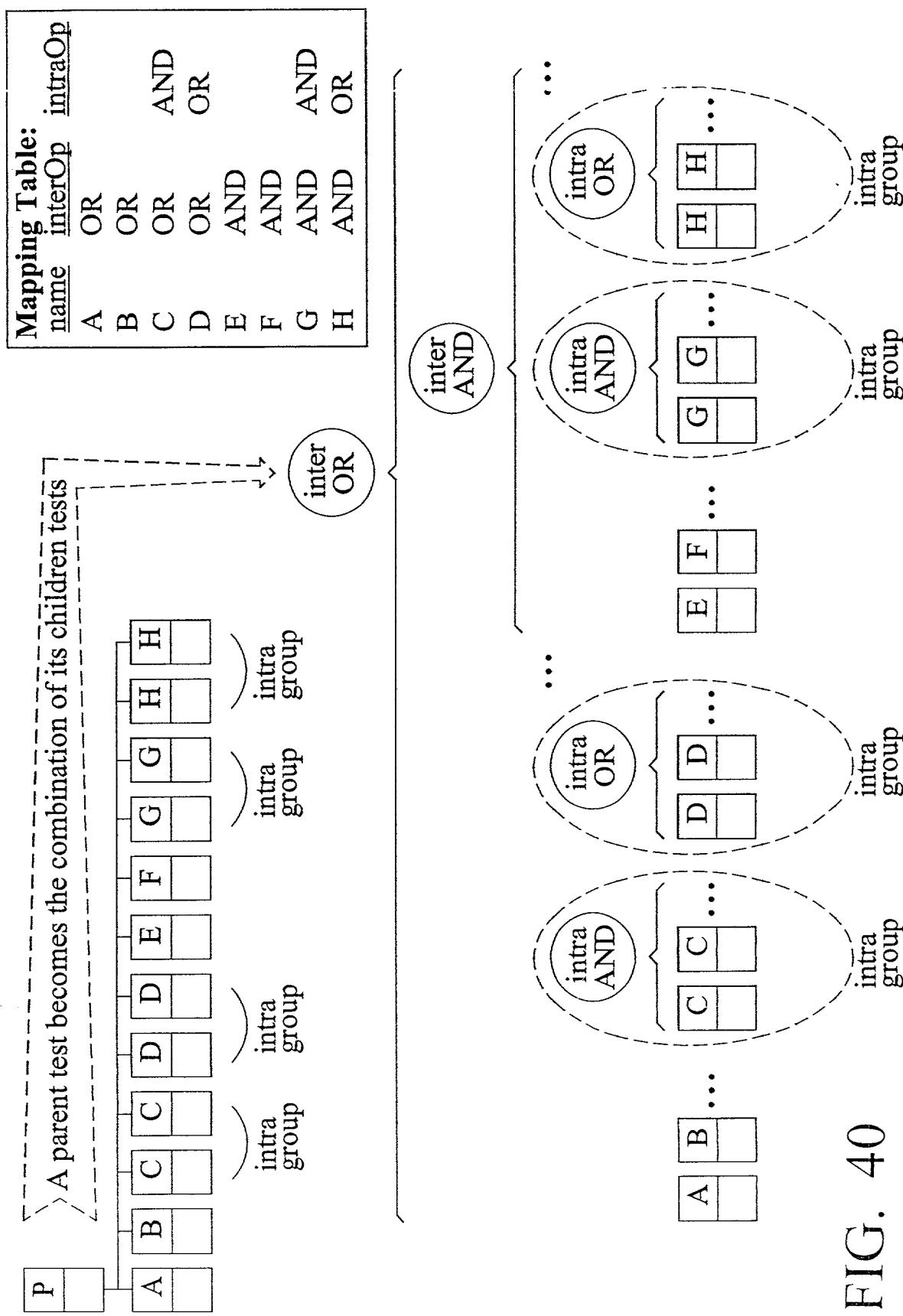


FIG. 40

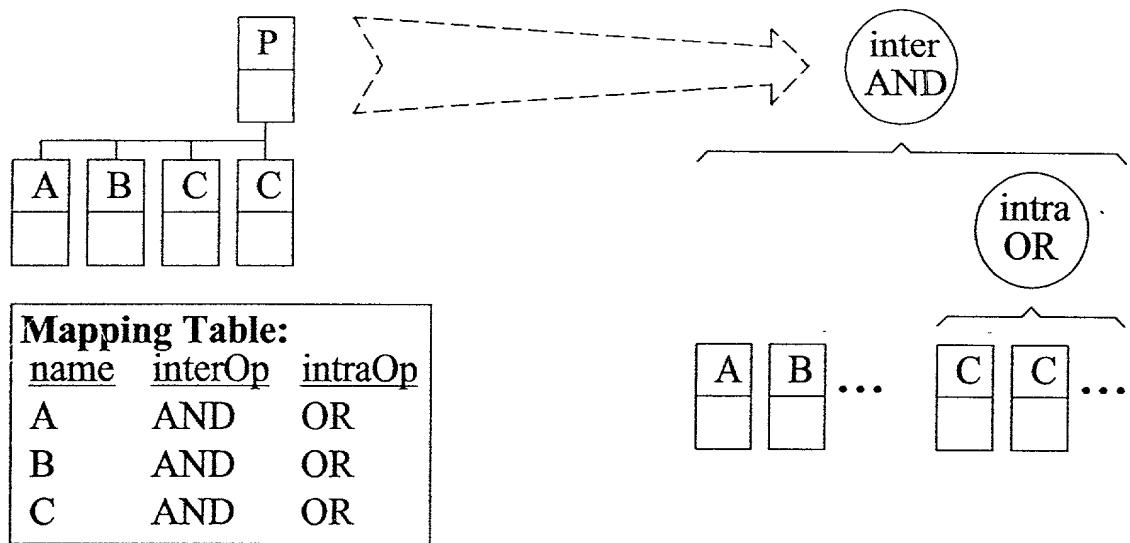


FIG. 41

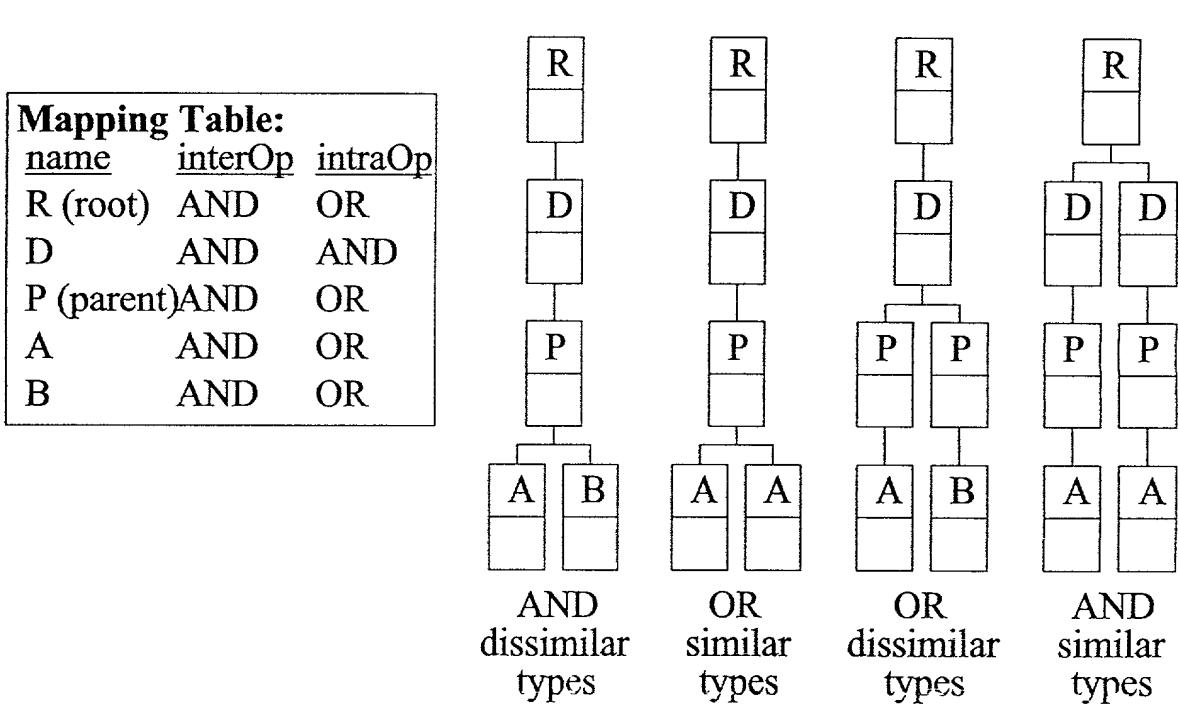
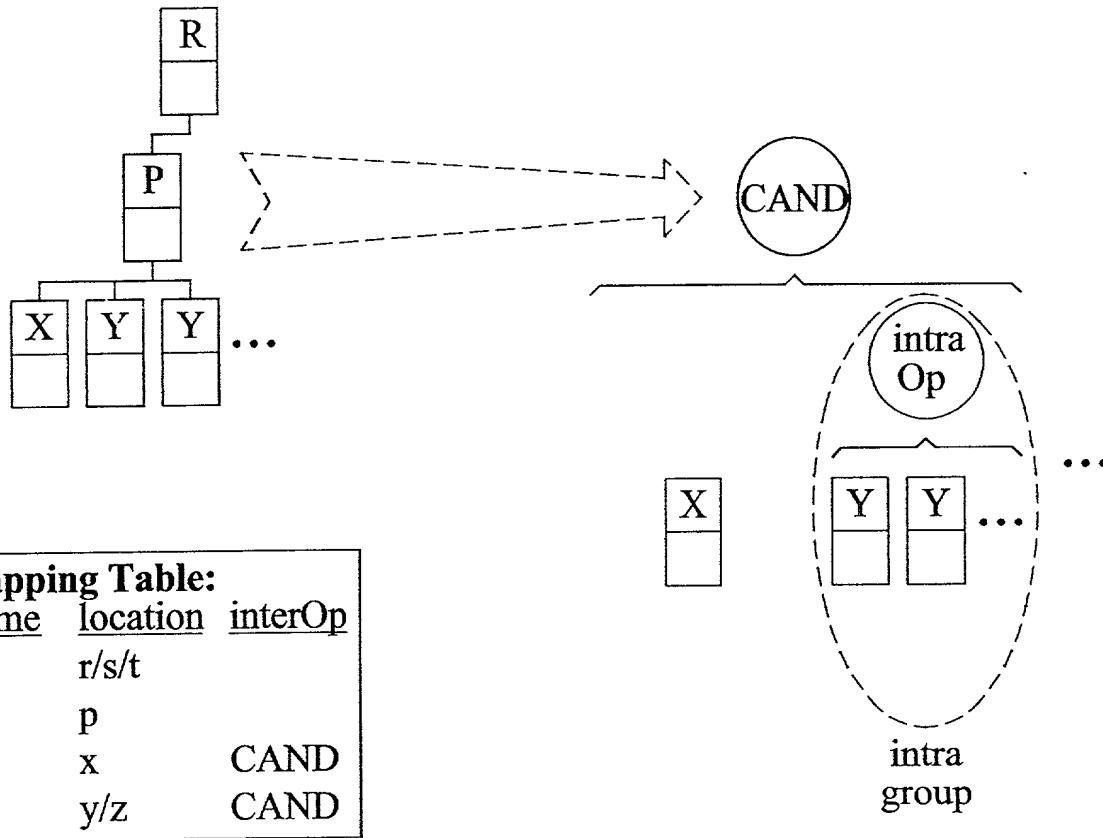


FIG. 42

User Preference Description



Program Description

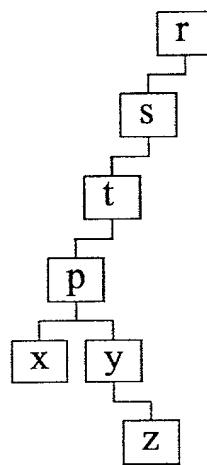


FIG. 43

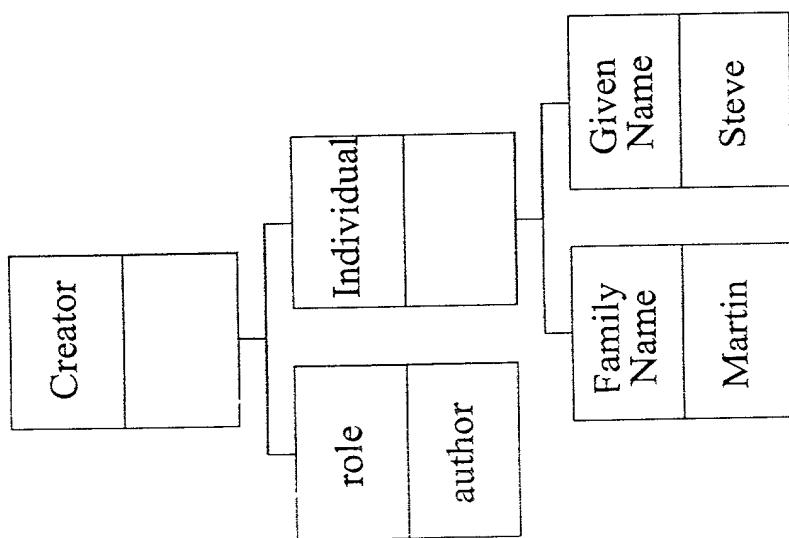
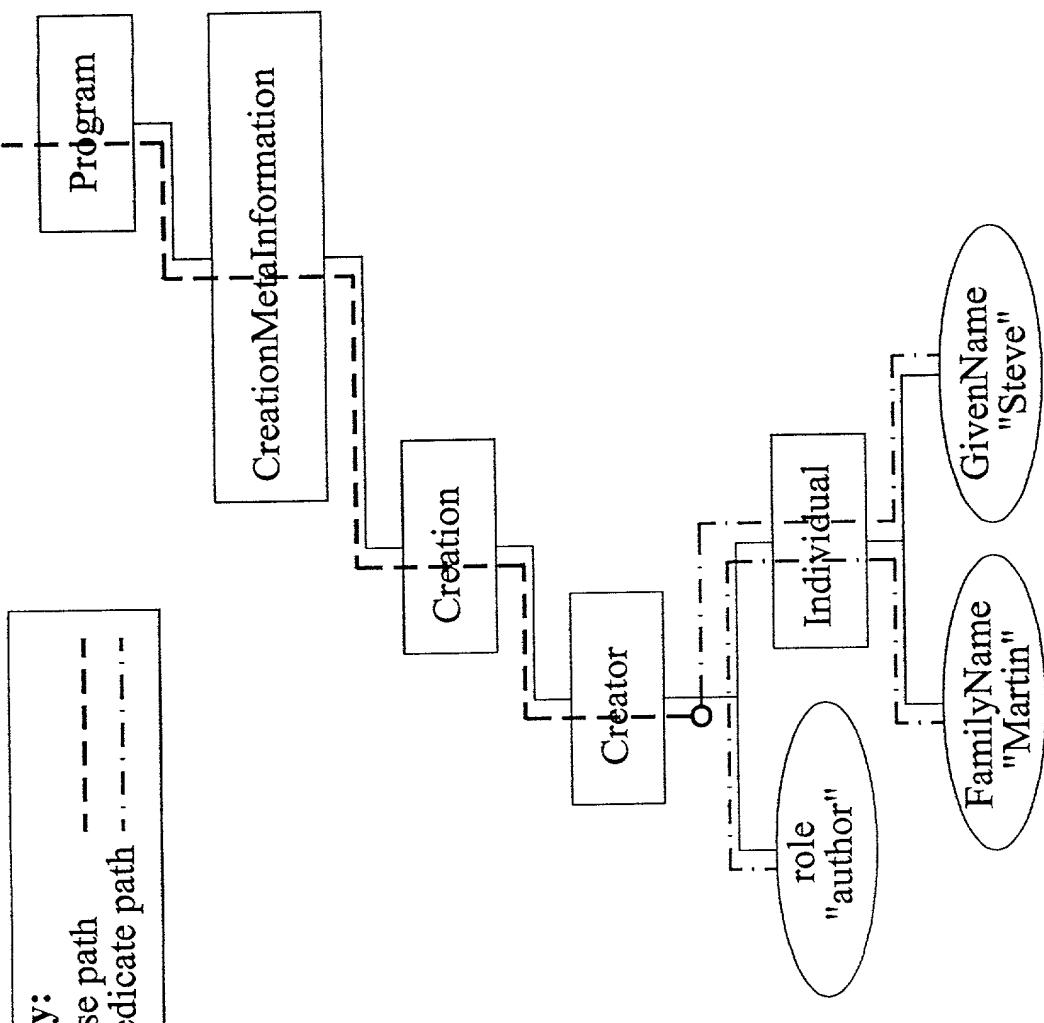


FIG. 44A

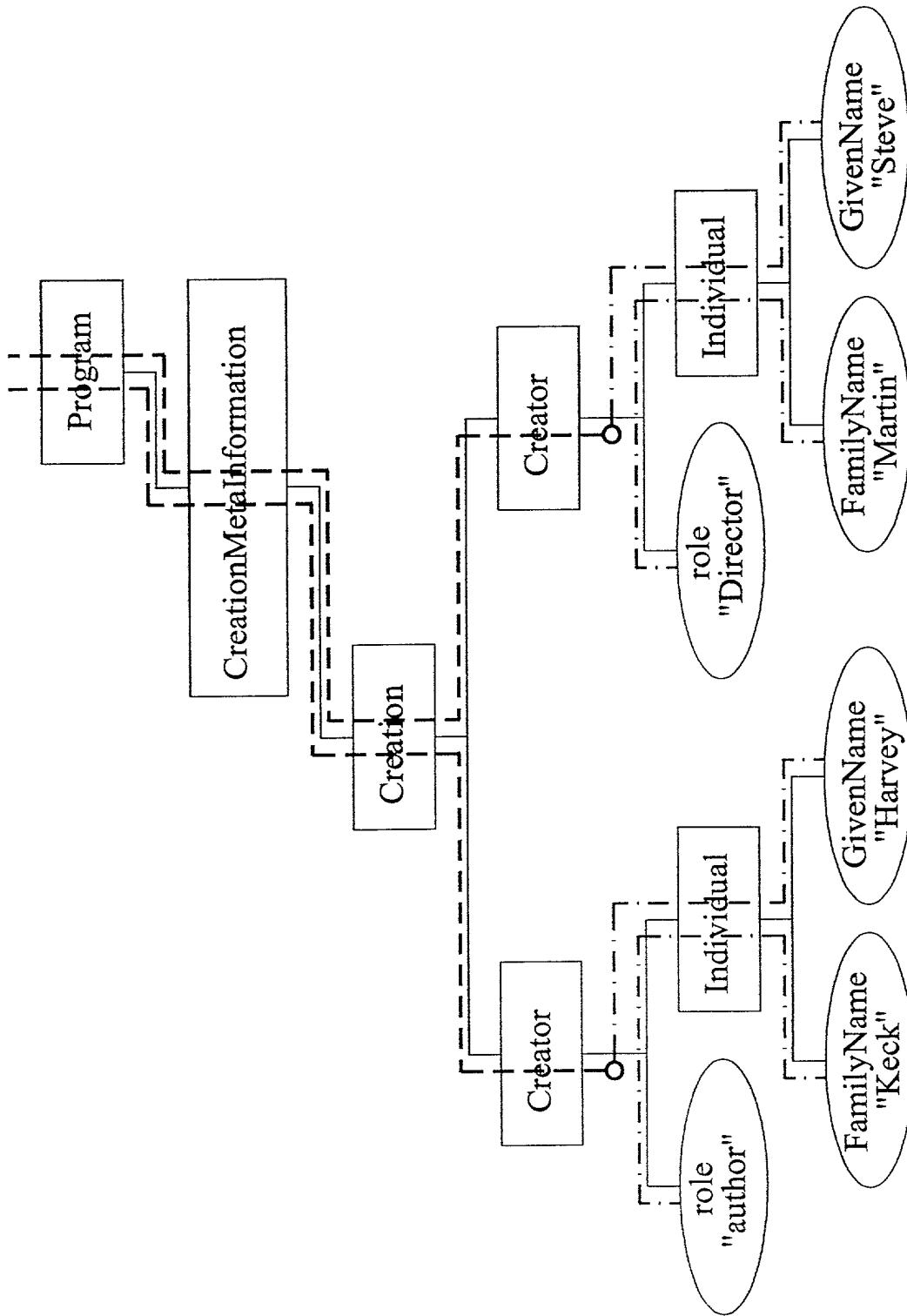


FIG. 44B

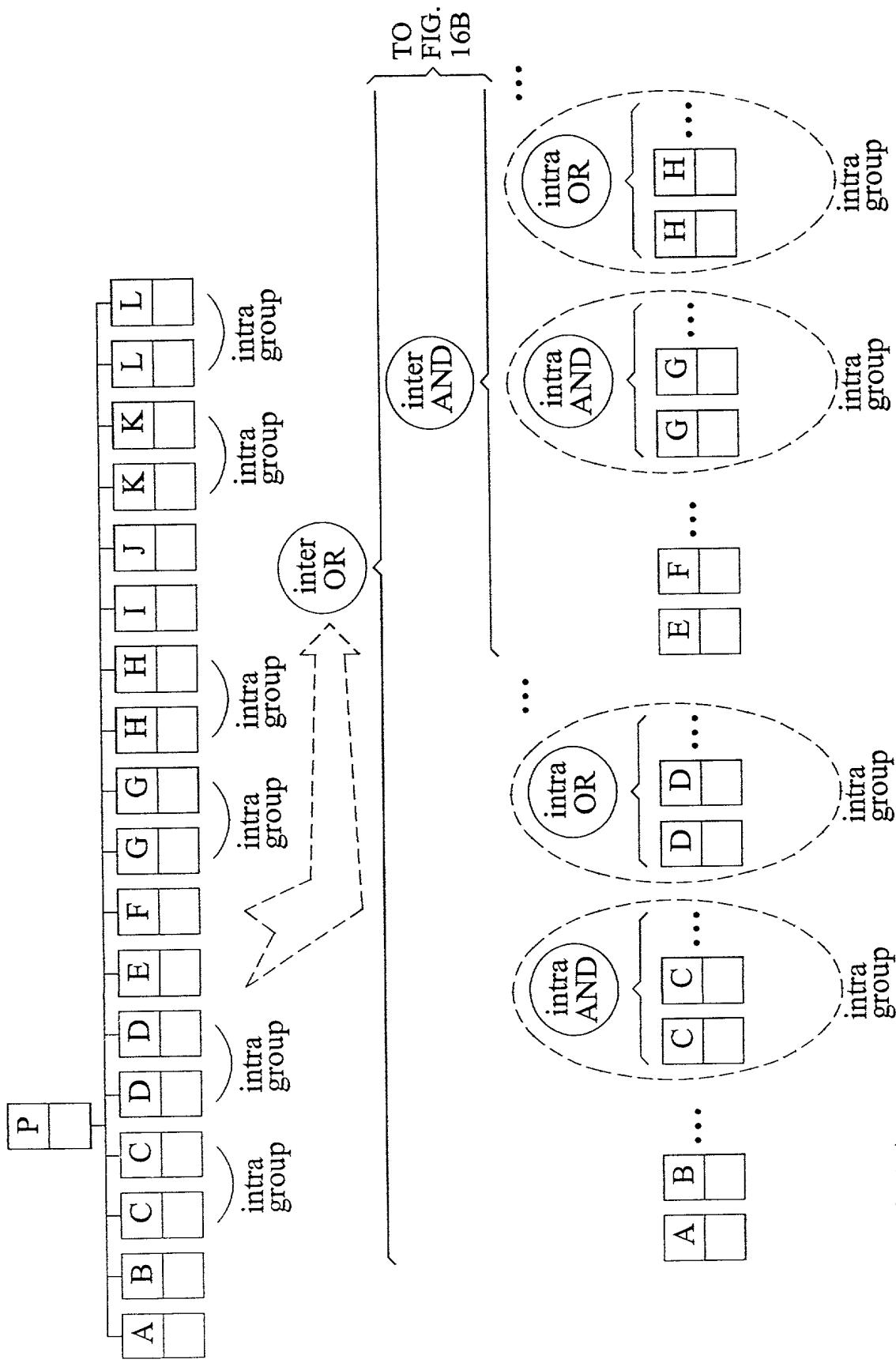


FIG. 45A

name	interOp	intraOp	intraOp
A	OR	OR	AND
B	OR	OR	OR
C	OR	OR	AND
D	OR	AND	AND
E	AND	AND	AND
F	AND	AND	AND
G	AND	AND	OR
H	AND	CAND	CAND
E	CAND	CAND	CAND
F	CAND	AND	AND
G	AND	CAND	CAND
H	CAND	OR	OR

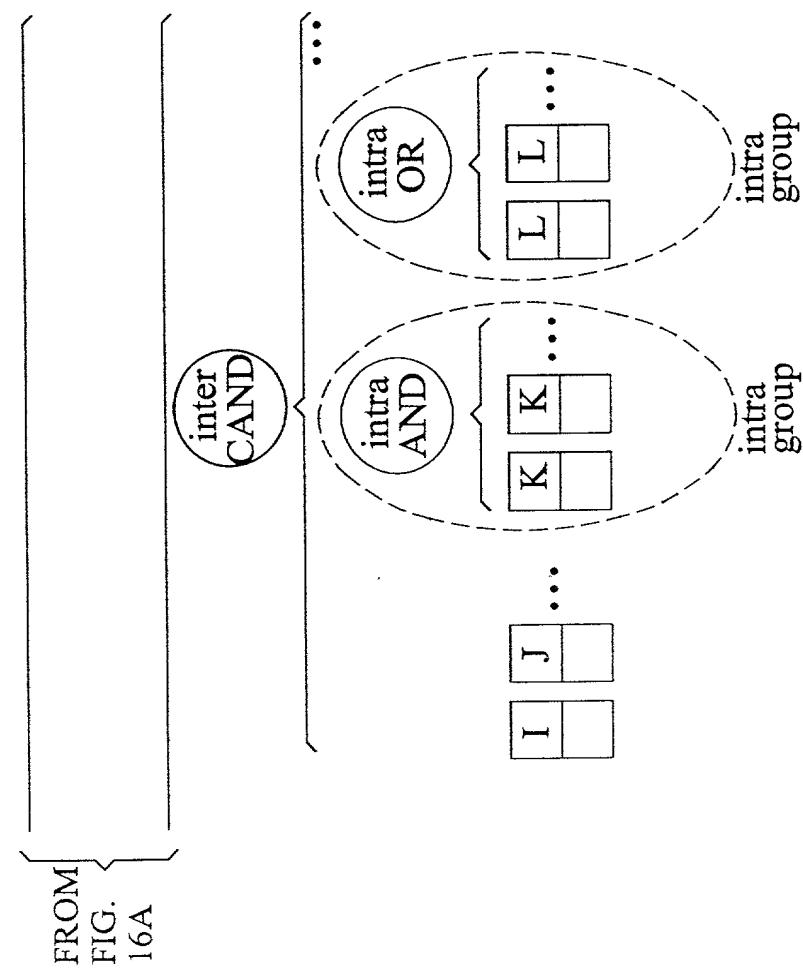
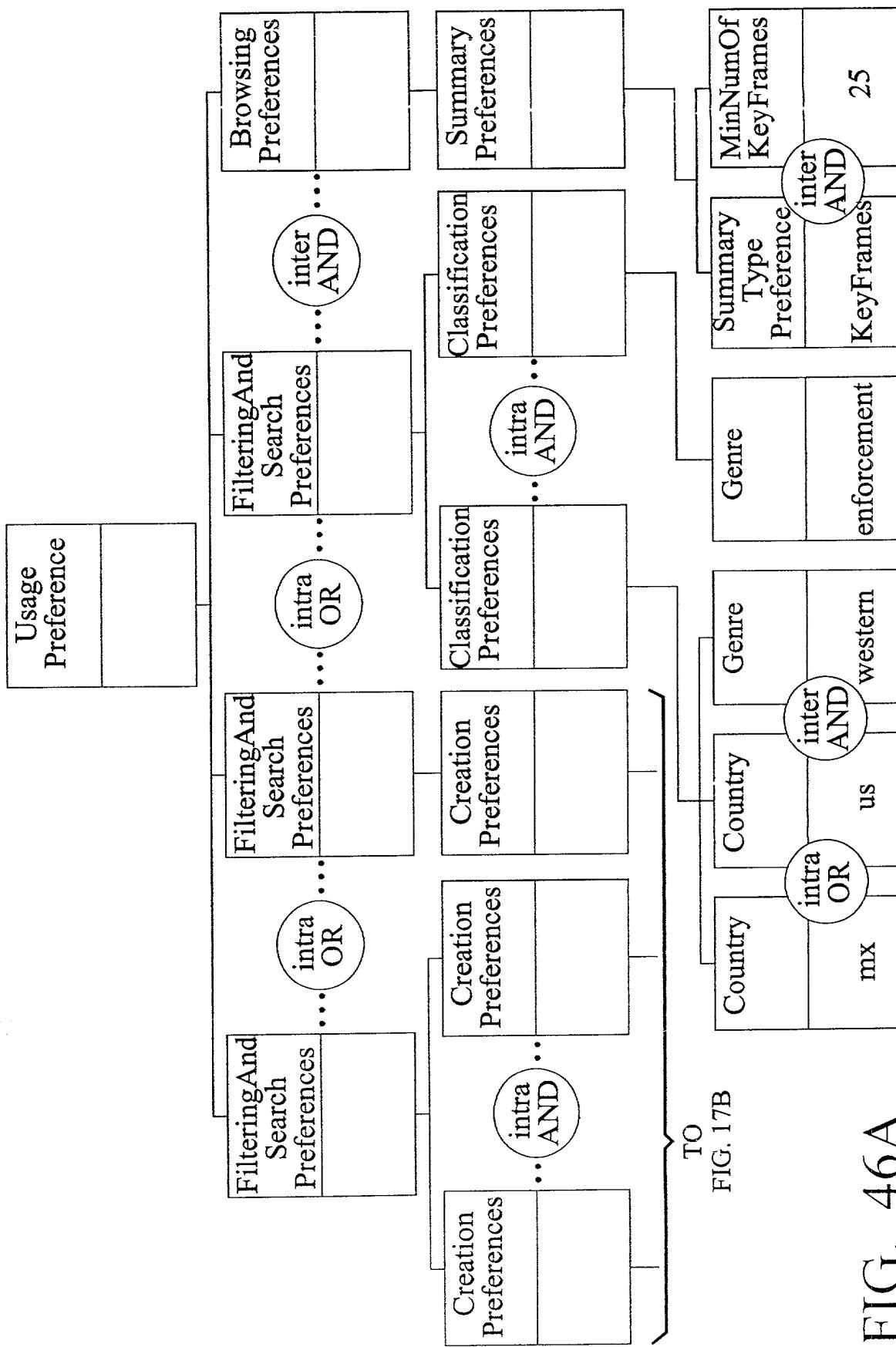


FIG. 45B



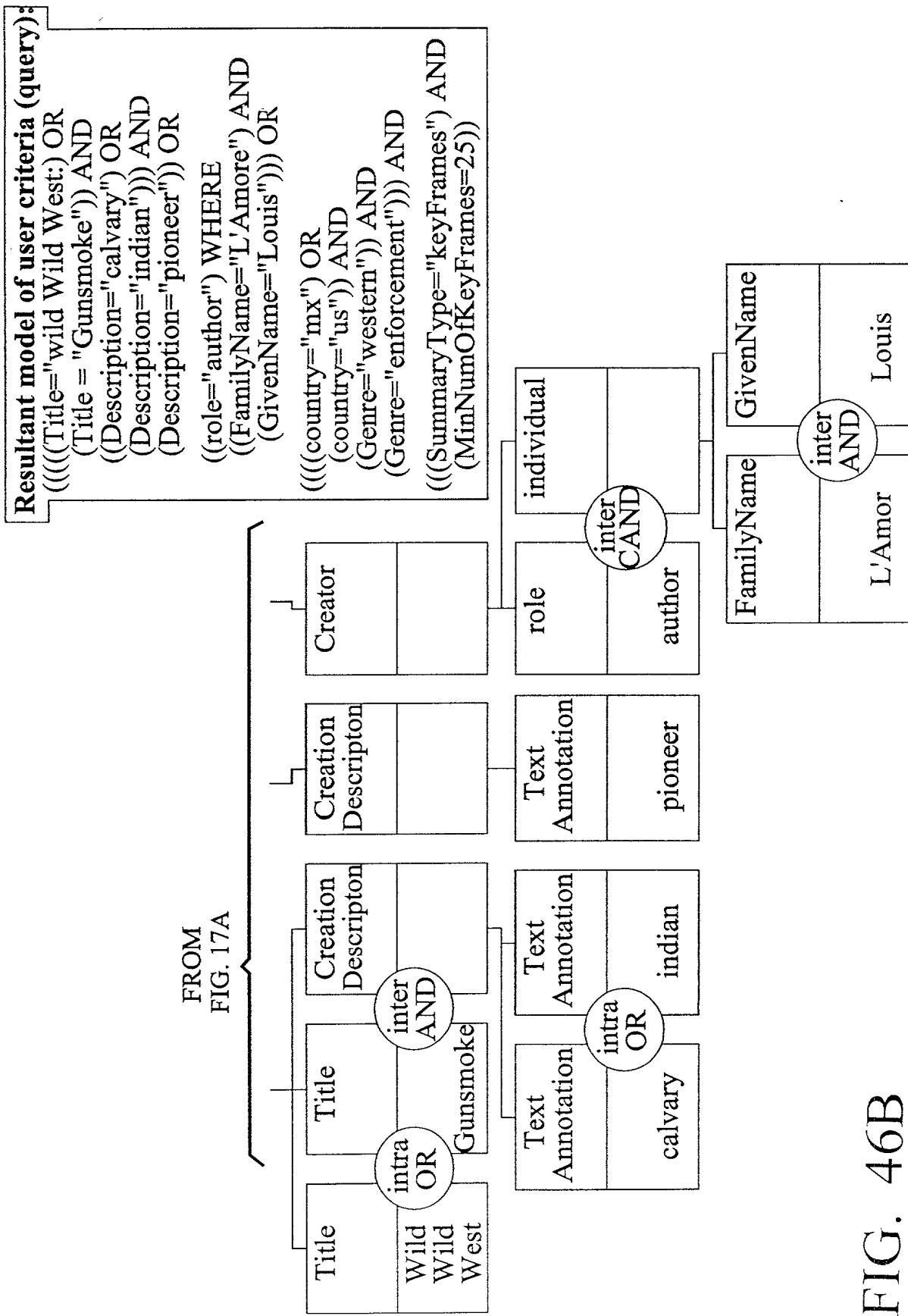


FIG. 46B

Name	Location	TestOp	InterOp	IntraOp
Level 0 Preferences				
FilteringAndSearchPreferences	null	NA	NA	OR
BrowsingPreferences	null	NA	NA	OR
Level 1 Preferences				
<i>Children of FilteringAndSearchPreferences</i>				
ClassificationPreferences	/Program/*CreationMetaInformation /*Creation	NA	AND	AND
ClassificationPreferences	/Program/*CreationMetaInformation /*Classification	NA	AND	AND
SourcePreferences	/Program/*UsageMetaInformation	NA	AND	AND
ClassificationPreferences/Country	/Program/*CreationMetaInformation /*Classification/*Country	STR_ISUB	AND	OR
<i>Children of BrowsingPreferences</i>				
SummaryPreferences	/Program/*Summarization	NA	AND	AND
Level 2 Preferences				
<i>Children of CreationPreferences</i>				
Title	/*Title/TitleText	STR_ISUB	AND	OR
CreationDescription	/*CreationDescription	NA	AND	OR
Creator	/*Creator	NA	AND	OR
CreationLocation	/*CreationLocation	NA	AND	OR
CreationDate	/*CreationDate	NA	AND	OR
CreationMaterial	/*CreationMaterial	NA	AND	OR
CreationLocation/Country	/*CreationLocation/Country	STR_ISUB	AND	OR
<i>Children of ClassificationPreferences</i>				
Language	/*Language	STR_ISUB	AND	OR
Genre	/*Genre	STR_ISUB	AND	OR
PackageType	/*PackageType	STR_ISUB	AND	OR

FIG. 47A

Name	Location	TestOp	InterOp	IntraOp
<i>Children of SourcePreferences</i>				
PublicationType	/*Publication/PublicationType	STR	ISUB	AND
<i>Children of SummaryPreferences</i>				
SummaryTypePreference	/*HierarchicalSummary%summaryType	STR	ISUB	AND
SummaryName	/*HierarchicalSummary%name	STR	ISUB	AND
NumOfKeyFrames	/*HierarchicalSummary/*HighlightLevel %numberOfKeyFrames	VAL_EQ	AND	OR
MinNumOfKeyframes	/*HierarchicalSummary/*HighlightLevel %numberOfKeyFrames	VAL_GTE	AND	OR
MaxNumOfKeyframes	/*HierarchicalSummary/*HighlightLevel %numberOfKeyFrames	VAL_LTE	AND	OR
<i>SummaryDuration</i>				
MinSummaryDuration	/*HierarchicalSummary/*HighlightLevel /Duration	VAL_EQ	AND	OR
MaxSummaryDuration	/*HierarchicalSummary/*HighlightLevel /Duration	VAL_GTE	AND	OR
<i>Level 3 Preferences</i>				
<i>Children of CreationDescription</i>				
Who	/Who	STR	ISUB	AND
TextAnnotation	/TextAnnotation	STR	ISUB	AND
<i>Children of Creator</i>				
role	/role	STR	IEQ	CAND
<i>Children of Creator, RealPerson</i>				
Individual	/Individual	NA	AND	OR
QuasiPerson	/QuasiPerson	NA	AND	OR
<i>Children of CreationLocation</i>				

FIG. 47B

PlaceName	/*PlaceName	STR ISUB	AND	OR
PlaceRole	/PlaceRole	STR ISUB	AND	NA
Planet	/Planet	STR ISUB	AND	NA
GPSCoordinates	/GPSCoordinates	STR ISUB	AND	NA
Region	/Region	STR ISUB	AND	NA
PostingIdentifier	/PostingIdentifier	STR ISUB	AND	NA
AdministrativeUnit	/AdministrativeUnit	STR ISUB	AND	NA
PostalAddress	/PostalAddress	STR ISUB	AND	NA
InternalCoordinates	/InternalCoordinates	STR ISUB	AND	NA
<i>Children of CreationMaterial</i>				
device instrument	/device instrument	STR ISUB	AND	NA
device setting	/device setting	STR ISUB	AND	NA
Level 4 Preferences				
<i>Children of Individual, ContactPerson</i>				
FamilyName	/FamilyName	STR ISUB	CAND	NA
GivenName	/*GivenName	STR ISUB	CAND	OR
SecondFamilyName	/*SecondFamilyName	STR ISUB	CAND	OR
Initial	/*Initial	STR ISUB	CAND	OR
ProfessionalName	/*ProfessionalName	STR ISUB	CAND	OR
<i>Children of QuasiPerson</i>				
CharacterName	/*CharacterName	STR ISUB	CAND	OR
RealPerson	/*RealPerson	NA	CAND	OR
<i>Children of Organization</i>				
OrganizationName	/OrganizationName	STR ISUB	CAND	NA
ContactPerson	/*ContactPerson	NA	CAND	OR
Address	/*Address	NA	CAND	OR
Preference Types				
FilteringAndSearchPreferenceType	/*FilteringAndSearchPreferenceType	NA	NA	OR
BrowsingPreferenceType	/*BrowsingPreferenceType	NA	NA	OR

FIG. 47C

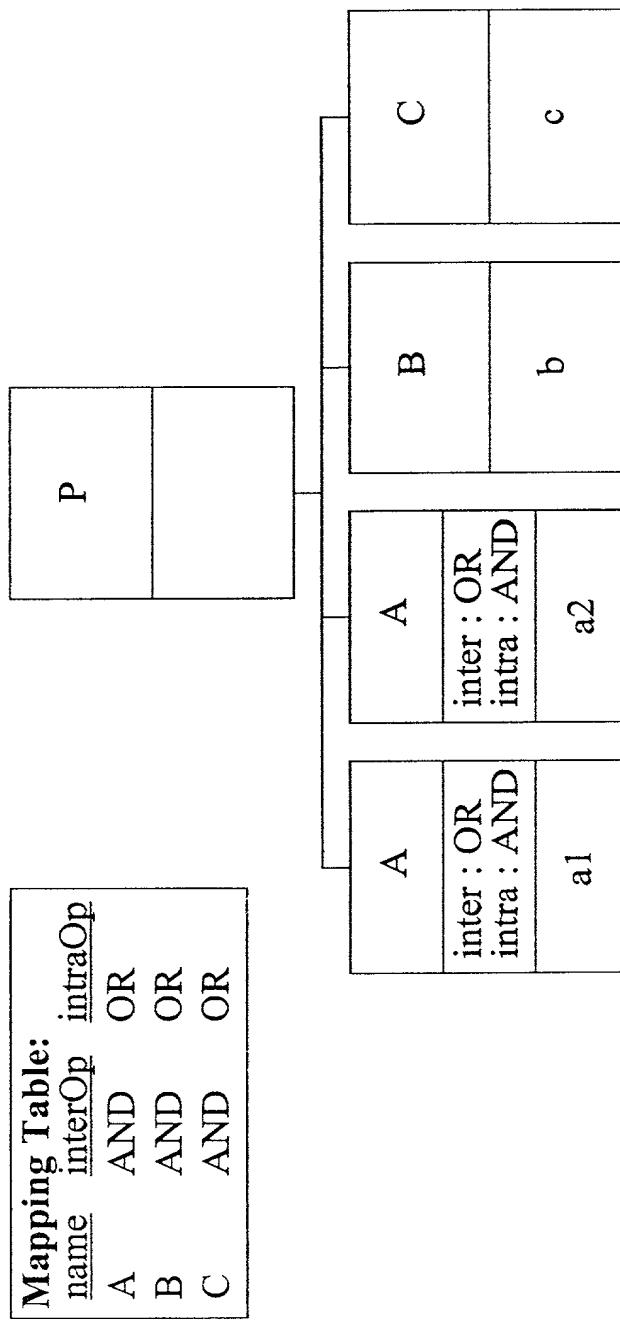


FIG. 48

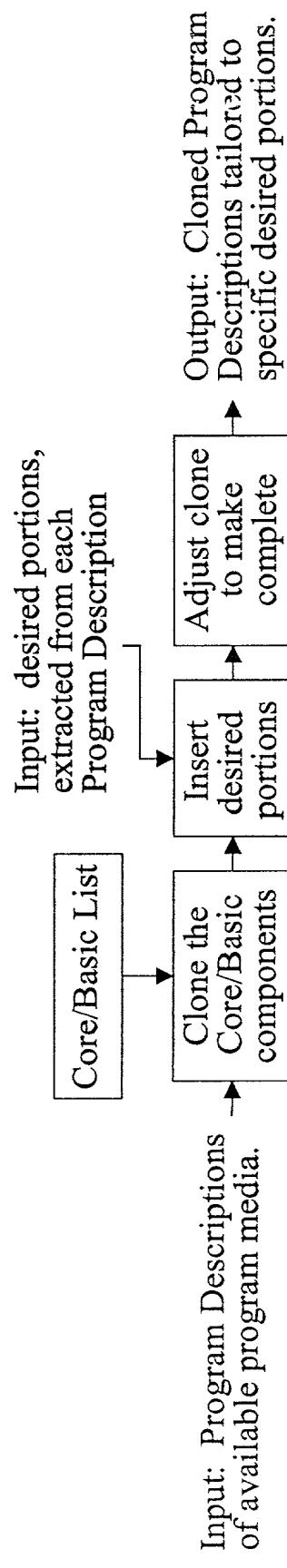


FIG. 49

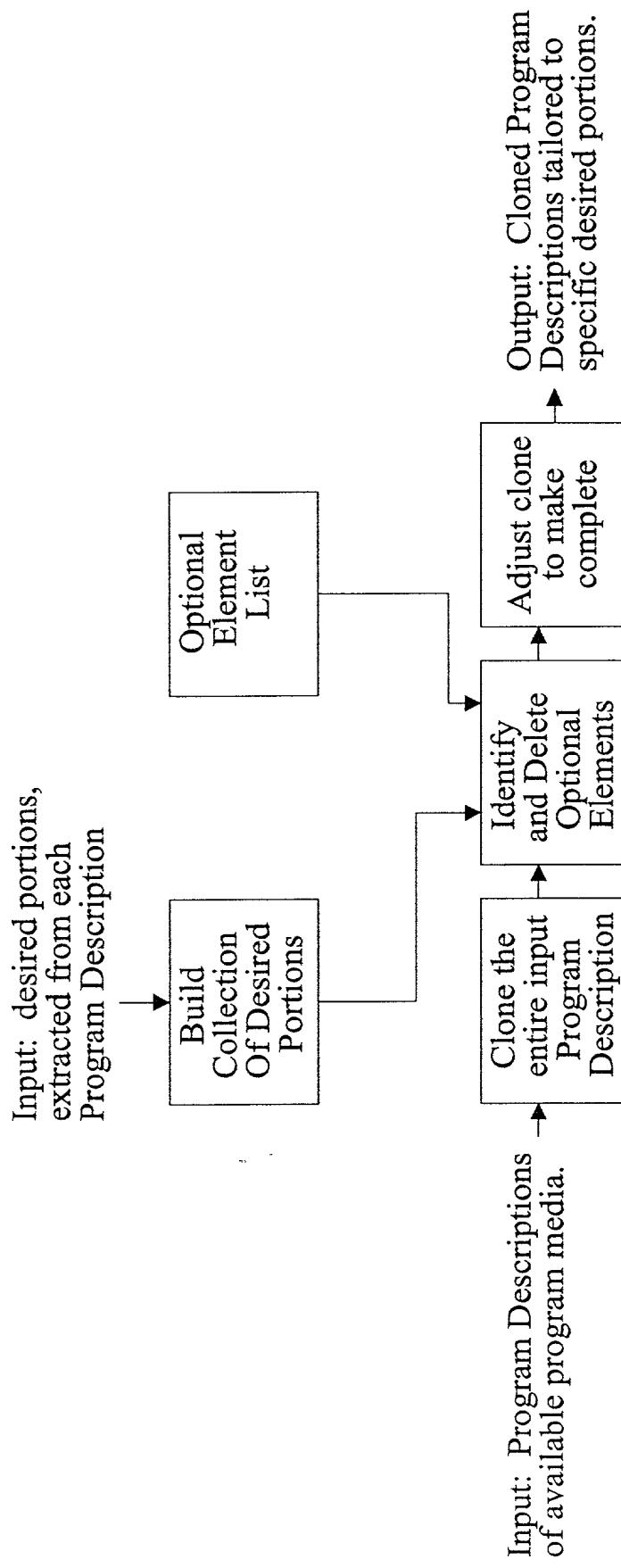


FIG. 50

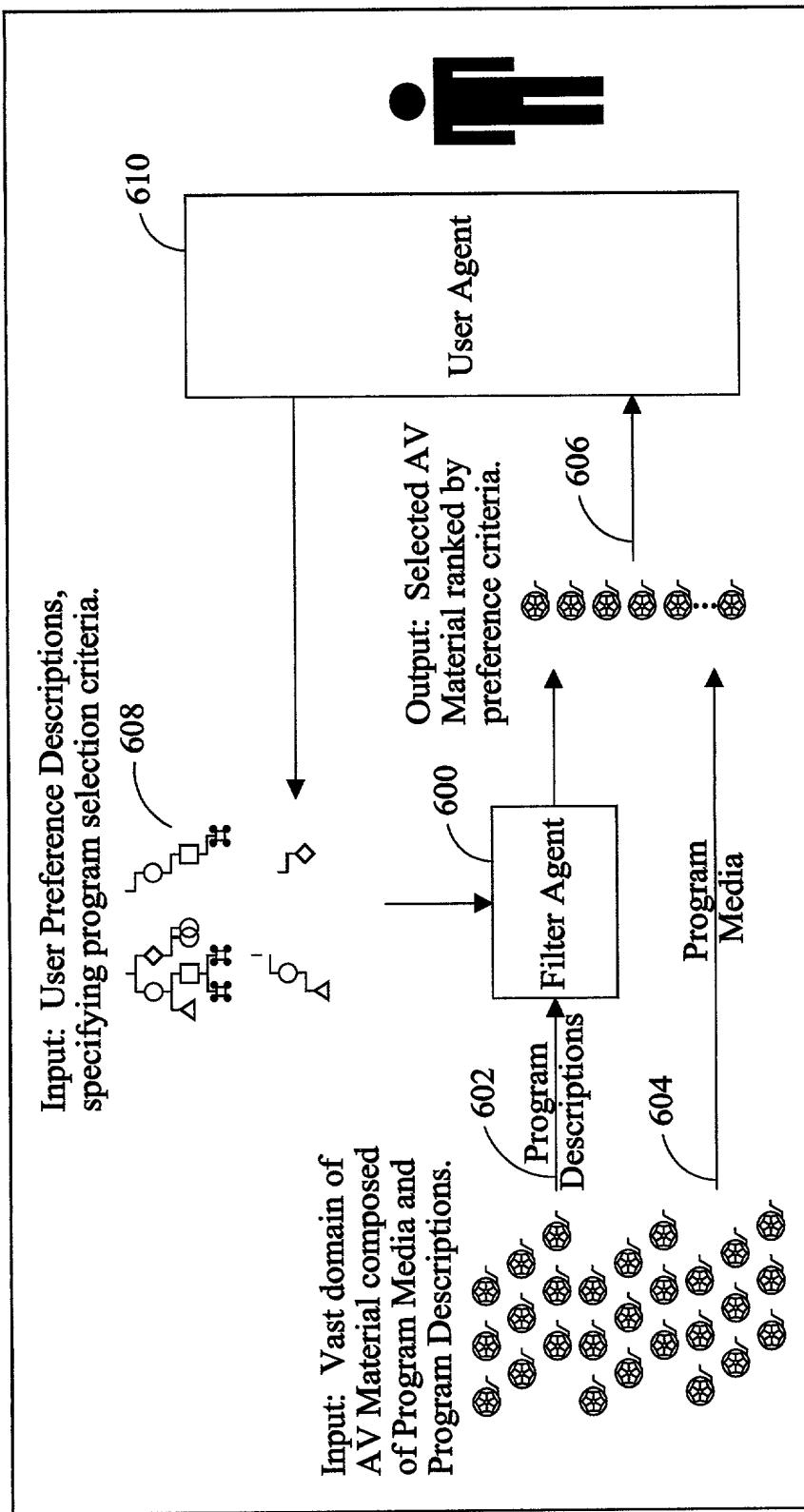


FIG. 51

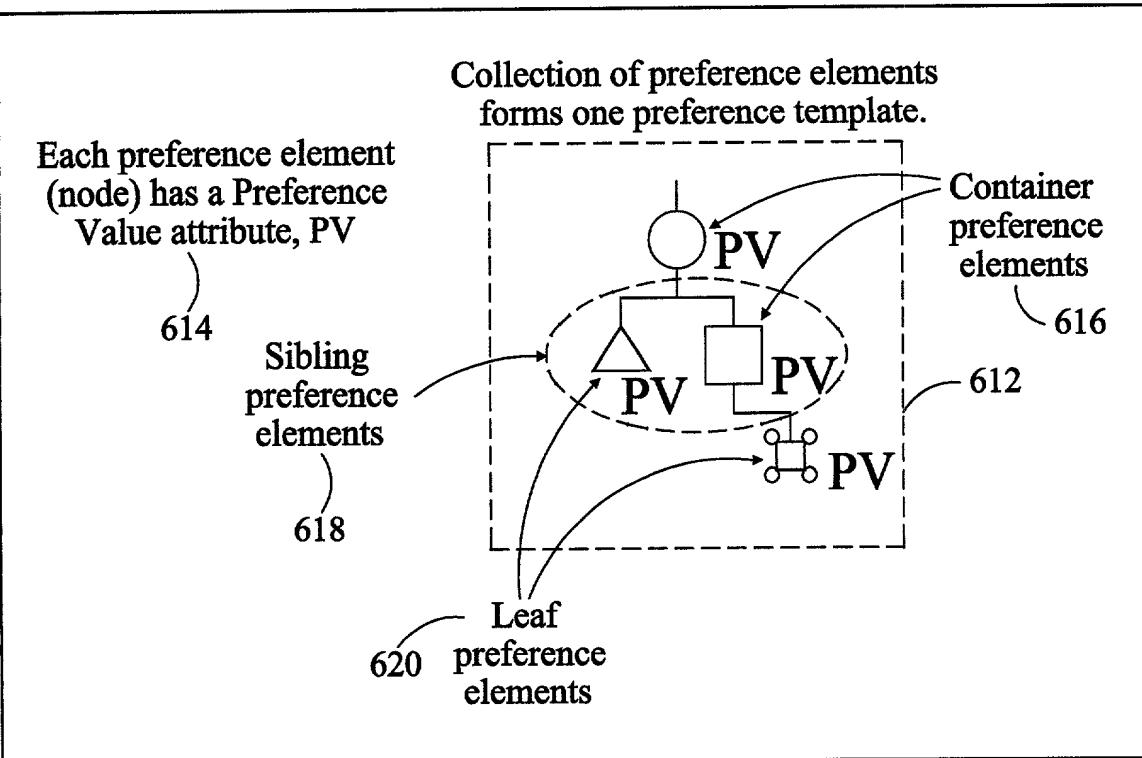


FIG. 52

Preference Values	
620	Nominal Value
622	Neutral Value
624	Maximum Value
626	Minimum Value
628	Other Value

FIG. 53

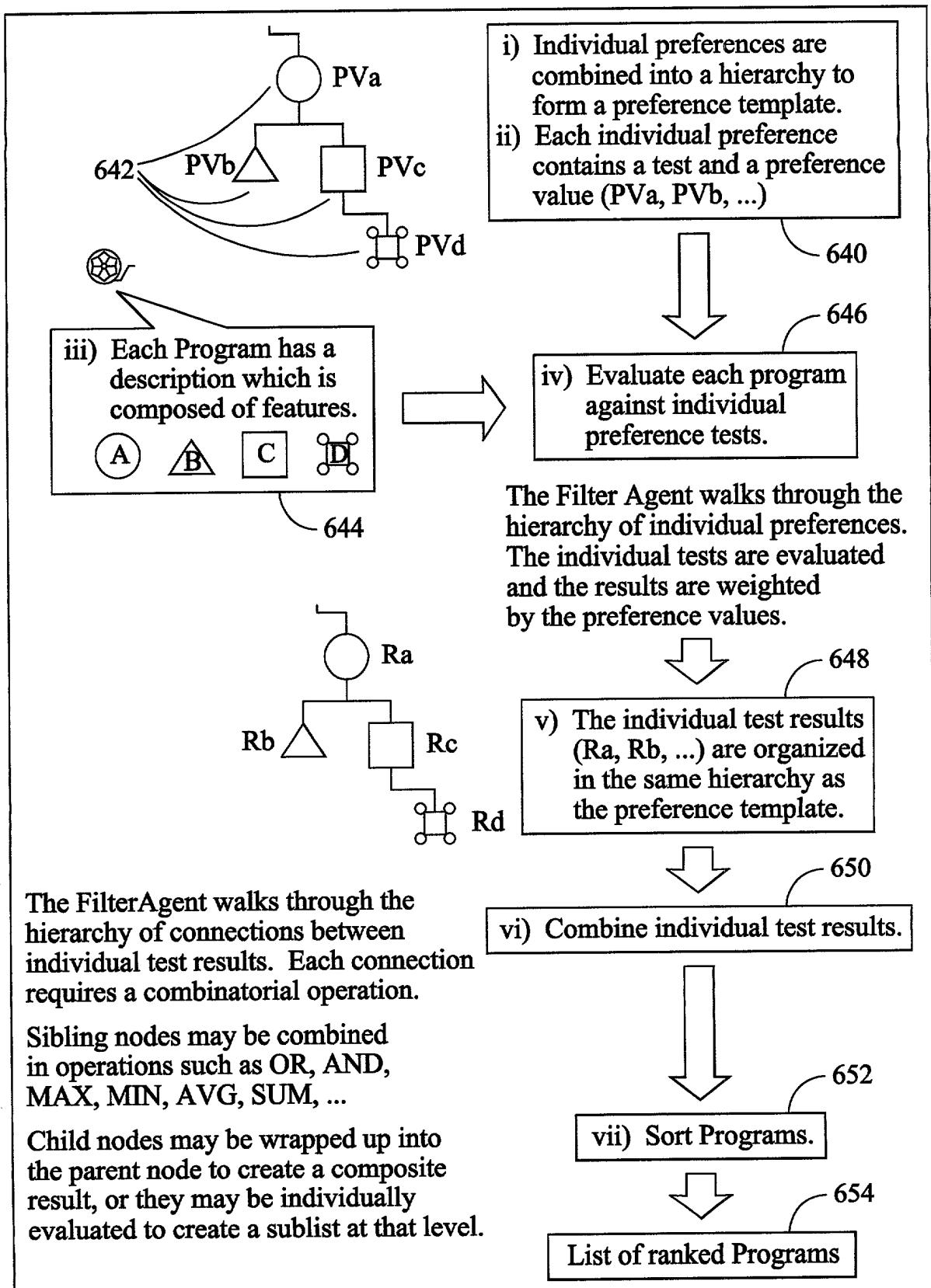


FIG. 54

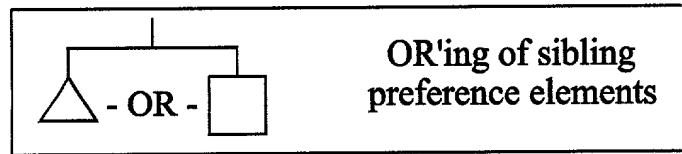


FIG. 55

Program		PVa = 1 OR PVb = 1		Score	Rank
J	A = B = 1	1	1	2	1
K	A = 1, B = 0	1	0	1	2

FIG. 56

Program		PVa = 1 OR PVb = 1		Score	Rank
J	A = 1, B = 0.01	1	0.01	1.01	1
K	A = 1, B = 0	1	0	1	2

FIG. 57

Program		PVa = 4 OR PVb = 1 OR PVc = 1			Score	Rank
J	A = 1, B = C = 0	4	0	0	4	1
K	A = 0, B = C = 1	0	1	1	2	2

FIG. 58

Program		PVa = 4 OR PVb = 1 OR PVc = 1			Score	Rank
J	A = 0.4, B = C = 0	1.6	0	0	1.6	3
K	A = 0.5, B = C = 0	2	0	0	2	2 tied
L	A = 0, B = C = 1	0	1	1	2	2 tied
M	A = 0.1, B = C = 1	0.4	1	1	2.4	1

FIG. 59

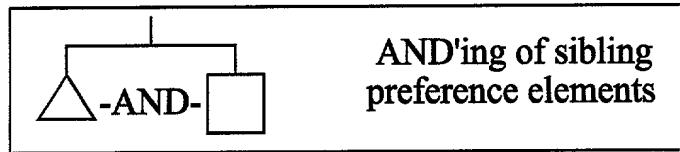


FIG. 60

Program	PVa = 1 AND PVb = 1	Score	Rank
J A = B = 1	1	1	1
K A = 1, B = 0.5	1	0.5	2

FIG. 61

Program	PVa = 1 AND PVb = 1	Score	Rank
J A = B = 0.6	0.6	0.6	1
K A = 1, B = 0.1	1	0.1	0.55
L A = B = 0.5	0.5	0.5	3

FIG. 62

Program	PVa = 1 AND PVb = 1	Score	Rank
J A = 1, B = 0.9	1	0.9	0.95
K A = B = 0.9	0.9	0.9	0.9
L A = 1, B = 0	1	0	0.5

FIG. 63

Program	PVa = 1 AND PVb = 1	Score	Rank
L A = 1, B = 0	1	0	0.5

FIG. 64

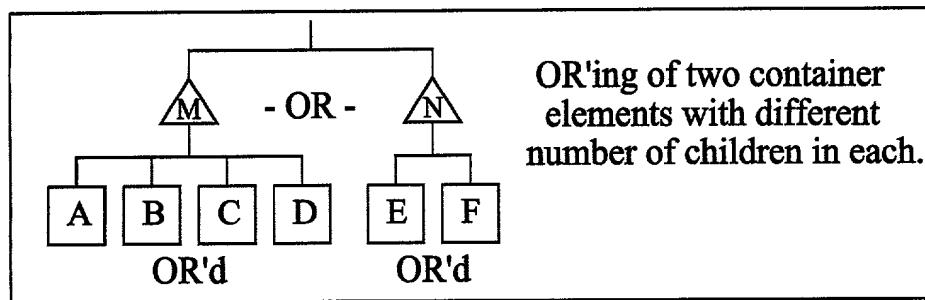


FIG. 65

Program	PVx = 1 OR PVy = 1						Score	Rank		
	PVa=1 OR PVb=1 OR PVc=1 OR PVd=1				PVd=1 OR PVe=1					
	1	1	1	0	0	0				
J A=B=C=1, D=E=F=0	1	1	1	0	0	0	3	1		
K A=B=C=D =0, E=F=1	0	0	0	0	1	1	2	2		

FIG. 66

Program	PVx = 1 OR PVy = 1						Score	Rank		
	PVa=1 OR PVb=1 OR PVc=1 OR PVd=1				PVd=2 OR PVe=2					
	1	1	1	0	0	0				
J A=B=C=1, D=E=F=0	1	1	1	0	0	0	3	2		
K A=B=C=D =0, E=F=1	0	0	0	0	2	2	4	1		

FIG. 67

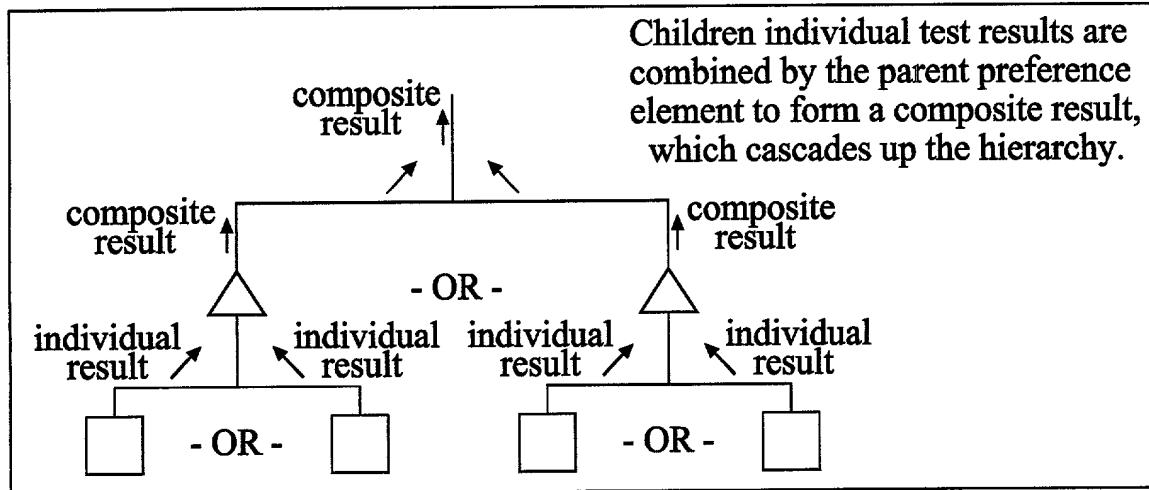


FIG. 68

Program	PV _X = 0.8 OR PV _Y = 1				Score	Rank
	PV _a =1	OR	PV _b =1	PV _c =1		
J A=1, B=C=D=0	0.8	0	0	0	0.8	1
K A=B=C=0, D=1	0	0	0	0.5	0.5	2

FIG. 69

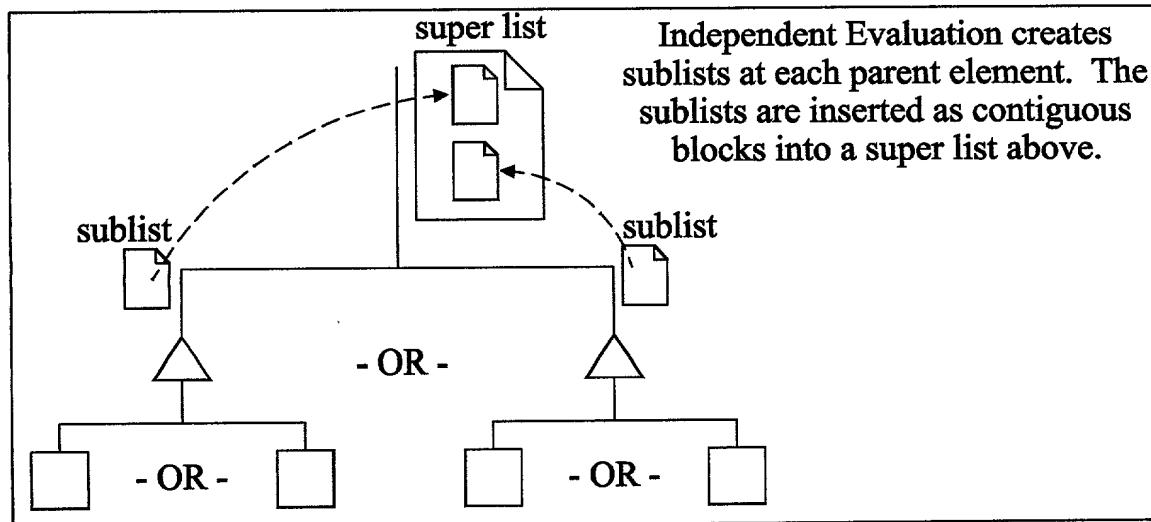


FIG. 70

Program		PVa = 1 OR PVb = 1		Score	Rank
J	A = 1, B=C=D=0	1	0	1	1
K	A=B=C=0, D = 1	0	0	0	reject

FIG. 71

Program		PVc=1 OR PVd=0.5		Score	Rank
J	A = 1, B=C=D=0	0	0	0	reject
K	A=B=C=0, D = 1	0	0.5	0.5	1

FIG. 72

Merging of SubLists into SuperList:

SubLists sorted by Preference Value	Programs in SubList	Rank
SubList Y with PVy = 1	K	1
SubList X with PVx = 0.8	J	2

FIG. 73

Program	PVx = 2 AND PVy = 1				Score	Rank
	PVa=1 OR PVb=1		PVc=1 OR PVd=1			
J	A=0.9, B=C=D=1	0.9	1	1	1	2.9
K	A=B=C=1, D=0.9	1	1	1	0.9	2.95

FIG. 74

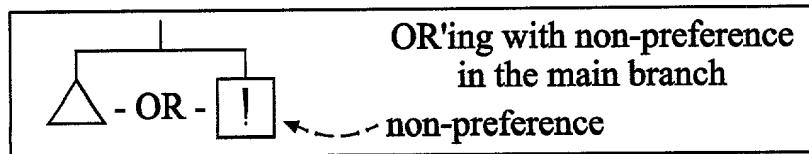


FIG. 75

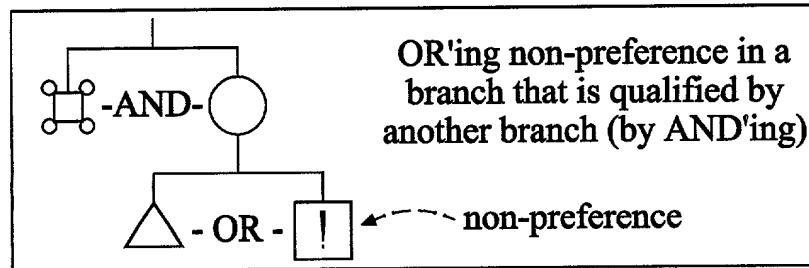


FIG. 76

Program		PVa = 1	OR	PVb = -1	Score	Rank
J	A = B = 1	1		0	1	2
K	A = 1, B = 0	1		1	2	1

FIG. 77

Program		PVa = 1 AND PVb = -1	Score	Rank
J	A = 1, B = 0.01	1	-0.01	0.495
K	A = 1, B = 0	1	0	0.5

FIG. 78

Program		PVa=1 AND PVb=-100	Score	Rank
J	A = 1, B = 0.01	1	-1	0

FIG. 79

Program		PVa = 1 AND PVb = -1	Score	Rank
J	A = 1, B = 0.01	1	-0.01	NA

FIG. 80